



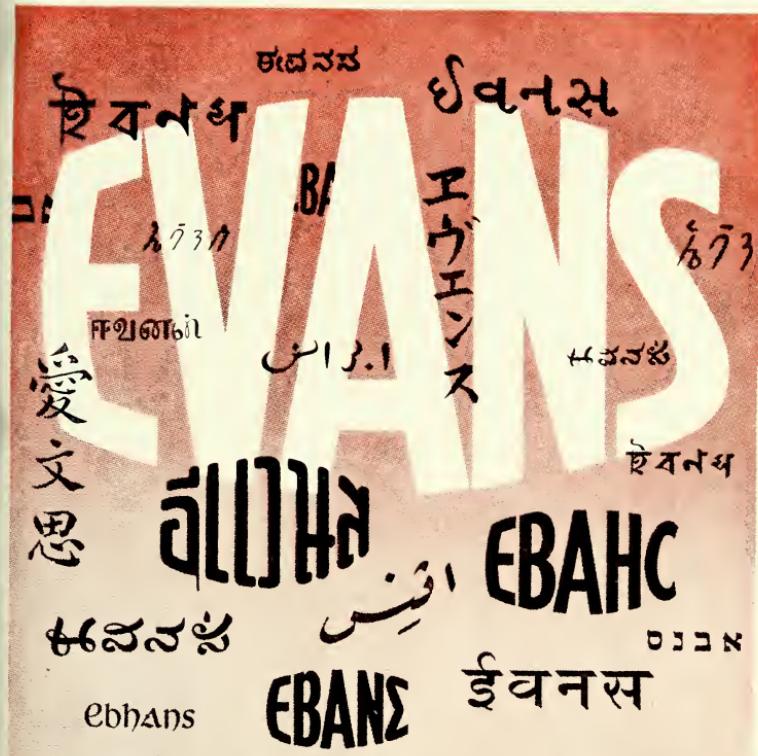
The

CHEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 31, 1949

The name EVANS stands for Reliability
and Progress in any language



EVANS MEDICAL SUPPLIES LTD

LIVERPOOL AND LONDON



Too many asking for Too Few!

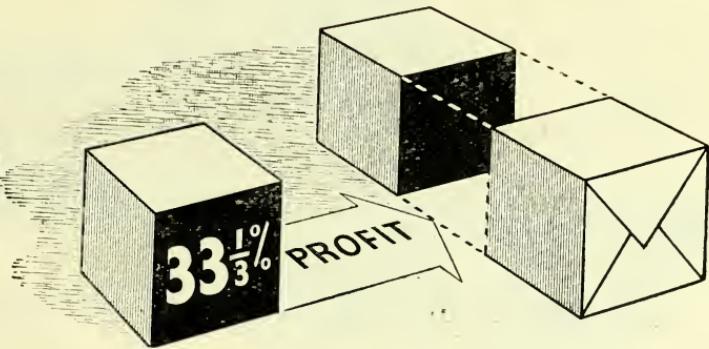
.... AND FOR TOO LONG

we have had to disappoint our chemist friends with insufficient quantities of Victory V Gums and Lozenges. Distribution of available supplies is, however, as equitable as possible (and will continue to be so), but deliveries can only increase with improved national conditions.

Victory V

GUMS & LOZENGES

GLAXO PARCELS



Then it is time to replenish your stock of the Glaxo products listed immediately below, order them in Glaxo Standard Parcels. That way you get 33 1/3% discount. Order the parcels direct from Greenford, and quote wholesaler's name for invoicing purposes.

Product	Parcel No.	Contents	Price
ADEXOLIN CAPSULES	1	2 doz. x 25	£1. 12. 0 net
ADEXOLIN CAPSULES	2	1 doz. x 100	£2. 13. 4 net
ADEXOLIN LIQUID	4	2 doz. x ½ oz.	£2. 0. 0 net
ADEXOLIN LIQUID	5	1 doz. x 2 oz.	£3. 8. 0 net
ANETHAINE OINTMENT	1	1 doz. x ½ oz. tubes	£1. 8. 0 net
FERSOLATE TABLETS	1	2 doz. x 100	£1. 4. 0 plus 9/- tax
FLAVOGEL	1	2 doz. x 1 oz. tubes	£1. 4. 0 net
GLUCODIN	11	2 doz. x 1 lb.	£2. 0. 0 net
MERSAGEL	1	2 doz. x ½ oz. tubes	£1. 12. 0 net
MINADEX	1	2 doz. x 6 oz.	£2. 2. 8 plus 16/- tax
MINADEX	2	1 doz. x 12 oz.	£1. 17. 4 plus 14/- tax
OSTOCALCIUM TABLETS	1	2 doz. x 50	£1. 16. 0 plus 13/6 tax
OSTOCALCIUM TABLETS	2	1 doz. x 100	£1. 12. 0 plus 12/- tax
OSTOMALT	10	2 doz. x ½ lb.	£1. 12. 0 net
OSTOMALT	11	1 doz. x 1 lb.	£1. 8. 0 net

The following parcels showing extra profits on list price are also available :

FAREX	5	2 doz. x 10 oz.	18/- net
OSTERMILK	—	2 doz. lots	27/10½d. doz. net
OSTERMILK	—	4 doz. lots	26/10d. doz. net

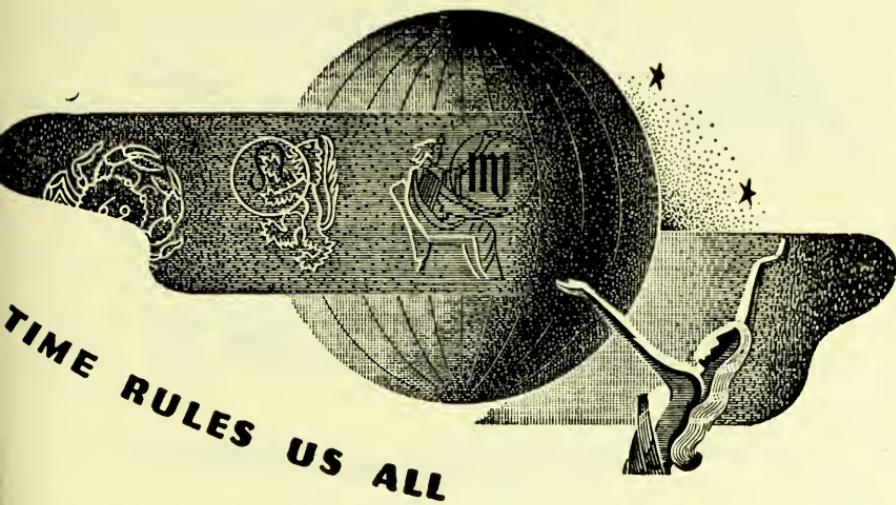
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Milton Denture Powder is an immersion type cleaner suitable for all types of denture—including acrylic bases and teeth.

Its high oxygen content, coupled with good wetting and emulsifying properties, ensure ready removal of mucus, food debris and tobacco stain

Tartar is softened, enabling it to be removed without the aid of abrasives

Milton Antiseptic Ltd., John Milton House, London,



. . . but for customers who depend on insulin to control carbohydrate metabolism it assumes an even greater significance.

In the selection of the type of insulin, speed of action and duration of effect are all-important factors. There are forms of A.B. brand of Insulin to meet all requirements.

INSULIN A.B.: The original unmodified type. Immediately effective but relatively short-lived.

5 and 10 c.c. vials (20, 40 and 80 units per c.c.)

GLOBIN INSULIN (with Zinc) A.B.: A combination of insulin and globin which has a slower and more prolonged action than Insulin A.B.

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PROTAMINE ZINC INSULIN A.B.: A suspension of insulin precipitated by protamine which is absorbed slowly, thus delaying the initial action and prolonging the effect for 24 hours and upwards.

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10 c.c. vials (40 units per c.c.)



Insulin A.B.

Joint Licensees and Manufacturers:

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THE BRITISH DRUG HOUSES LTD.

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'WE HOPE YOU WILL **TURN OVER**
A NEW RECORD IN
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MACLEANS LTD., GT. WEST RD., BRENTFORD, MIDDX. Phone: Ealing 6616. Wires: Macleans, Bre

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protection against colds



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FOR JAN 1st 1950

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	500	38/6	60/-
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This is an authoritative treatise on Rheumatic complaints written in language that the layman easily understand. Copies are now being included both the 5/6 and 26/5 size Curicons Cartons, supplies are also available to chemists FREE request.

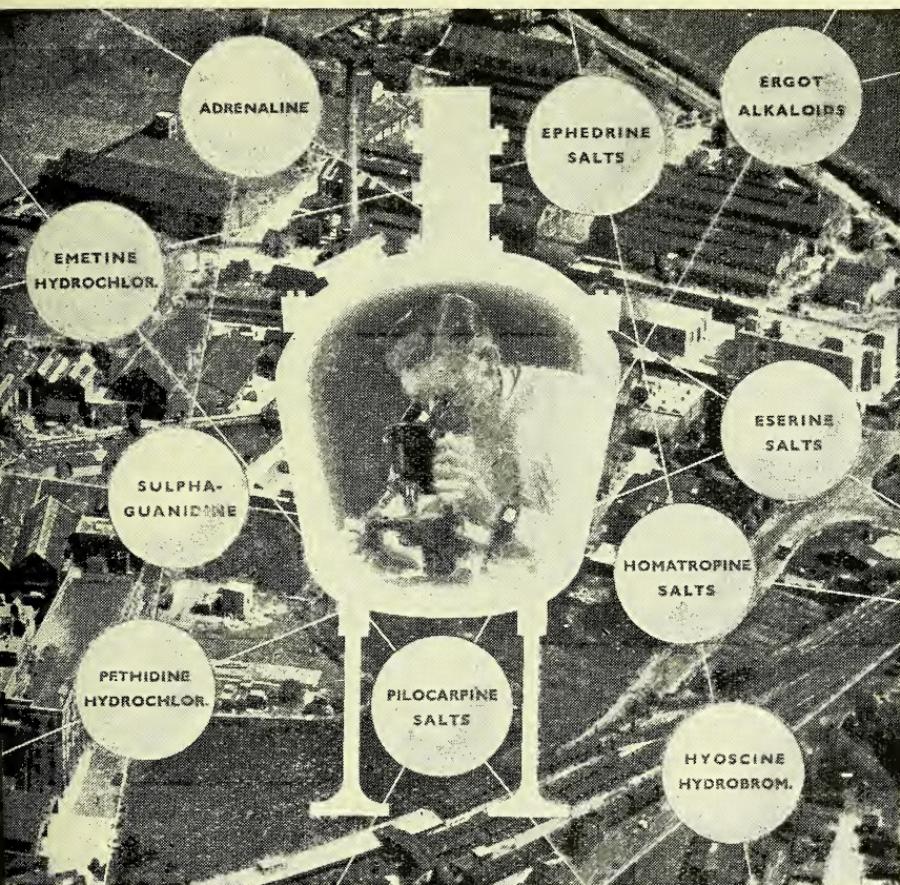
Mention is being made of this booklet in National Advertising and readers are invited to their chemist for a copy. Make sure you have supply of these booklets on hand.



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Doctors are very pleased with the sustained activity of Gelusil* Antacid Adsorbent Tablets and these are prescribed ever more frequently.

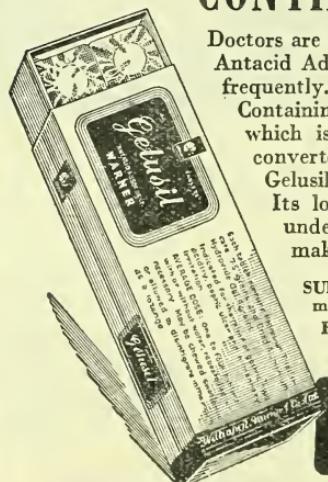
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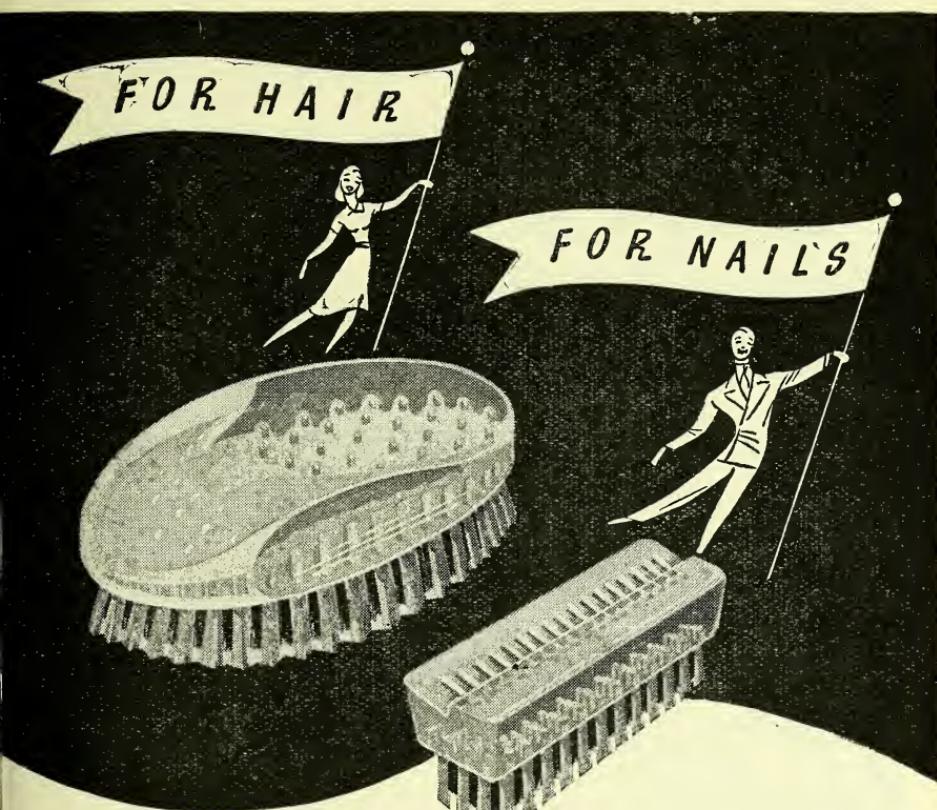


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Nylon is unsurpassed for all personal brushes—hygienic—
durable—attractive—uniform in quality.

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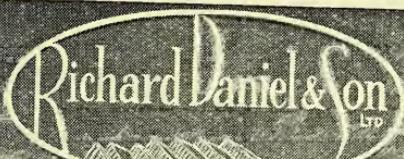


worthy companion to the famous tall jar . .

Yes, the demand has been instant and enormous. Brylcreem in the New Style Tub is a worthy companion to the famous tall jar and it's the same price, same quantity.

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PRICE
PROFIT**



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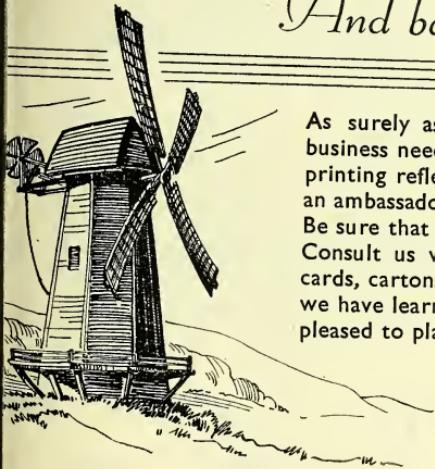
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*Manufacturing
Chemists*

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And back of the flour the mill*

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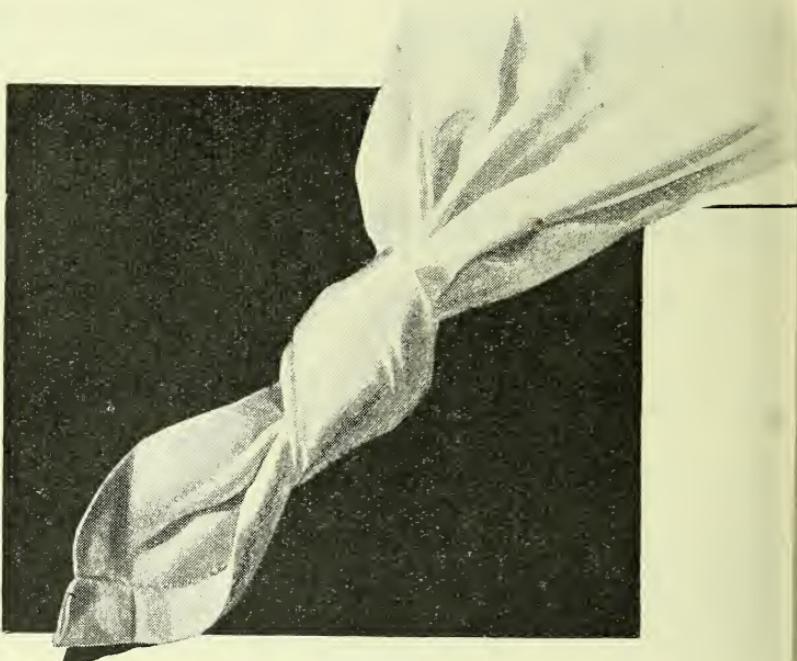
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THE BRUSH WITH THE DEEPLY PENETRATING ACTION

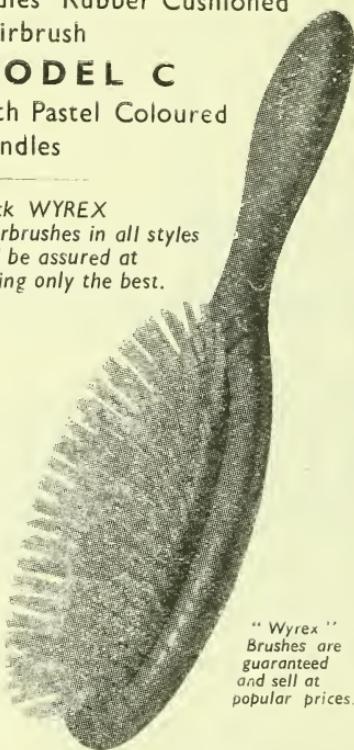
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Ladies' Rubber Cushioned
Hairbrush

MODEL C

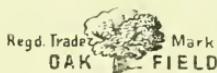
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and

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The CHEMIST AND DRUGGIST

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NEWS OF THE WEEK

I.D. Duty Reduced.—An Order (1949, No. 2352) has been issued by Treasury which reduces the rate of Industry Duty on dicyandiamide and sodium hydroxide to 10 per cent. (rate is of reagent quality.)

Einstein's New Theory.—A "generalised theory of gravitation," was announced by Albert Einstein at the annual meeting of the American Association for the Advancement of Science held at Princeton University, U.S.A., on December 26. The theory, on which Dr. Einstein has been working for thirty-three years, is an extension of the unified theory he put forward in 1929, and includes electro-magnetism in the cosmic unity of space, time, matter, energy and gravitation. Dr. Einstein has not yet found a practical way of confronting the results of the theory with experimental evidence."

Ministry Train Chemical Engineers.—We selected engineering apprentices, who have completed their third year of training in Ministry of Supply research development establishments and Royal

Ordnance factories, will be picked annually for training in chemical engineering. At least six will be accepted as full-time students for the B.Sc. degree in chemical engineering or the professional examinations of the Institute of Chemical Engineering. They will study at universities and technical schools, spending their vacations in practical work at the establishment of the Ministry to which they are attached.

Indian Drug Rules.—The Ministry of Health, Government of India, has issued notifications which provide for certain amendments and draft amendments of the Drug Rules, 1945. The provision of the Rules which requires licences for the importation, sale or manufacture of certain products is to be amended to cover drugs of the digitalis group, adrenaline, vitamins, liver extract and hormones, not in a form for parenteral administration, in addition to the preparations of the drugs. A copy of the amendments may be examined at the Tariff Section, Commercial Relations and Exports Department, Board of Trade, Thames House (North), Millbank, London.

Supply of Chemists and Physicists.—Reports on the present and future supply and demand of chemists (persons with a degree in chemistry, or Associates of the Royal Institute of Chemistry) and physicists have been published recently by subcommittees of the Ministry of Labour's Technical Personnel Committee, under the chairmanship of Lord Hankey. The chemists' subcommittee estimates that over the next five years there will be an average number of 350 vacancies unfilled annually. Less well qualified men should assist to help narrow the gap between supply and demand. The physicists' subcommittee estimates that over the next few years the demand for physicists will decrease sufficiently for the supply to make up the present deficit and meet all requirements. Copies of the reports may be obtained from H.M. Stationery Office, price 6d. each.

Revision of K.I.D. Lists.—Under the chairmanship of Dr. G. M. Bennett, C.B., Sc.D., F.R.I.C., F.R.S., the Government Chemist, a committee representing his department, the Board of Trade, the Ministry of Health and the Association of British Chemical Manufacturers, have revised the lists of compounds of rare earth metals and chemicals liable to Key Industry Duty. The descriptions of a number of chemicals have been changed and they are now listed under their modern names while a number of obsolete names have been removed from the lists and new items added. The revised lists come into force on January 1, 1950, by a new consolidating and amending Order (S.I., 1949, No. 2308). The Board of Trade is to publish a notice for the guidance of users of the new list. Copies of the Order and of the notice may be obtained, price 1s. (by post 1s. 1d.), and 4d. (by post 5d.), respectively, from H.M. Stationery Office, or through any bookseller.

Poultry Disease Control.—Discussing American methods of poultry disease prevention and the possibility of applying them in Britain, Dr. W. P. Blount, in a recent talk in the broadcast series "Farming Today" said that in America vaccination programmes against several virus infections were an established part of poultry husbandry. At least six proved vaccines were available against Newcastle disease. Vaccines were regularly used against infectious bronchitis and laryngotracheitis, and fowl pox. Against bacillary white diarrhoea, and fowl typhoid and

cholera, some curative success had attended the use of sulphamerazine. As a prevent against coccidiosis American workers elaborated a new sulphonamide preparation, Sulphaquinoxaline, which was given in low dosage in the feed; the drug prevented outbreaks on many occasions without interfering with the development of immunity. Tests made by the speaker in Britain, using a supply of the compound, had given promising results, but the decision was against its use in Britain.

LOCAL NEWS

Galloway Health Service.—The estimated cost of the National Health Service in Galloway for 1950 is put at £209,111, including £34,600 for pharmaceutical services.

Employees' Gift to Hospital.—A collection of toys, the gift of employees of Evans Medical Supplies, Ltd., was presented to the matron of Olive Mount Children's Hospital, Liverpool, on December 21, by Mr. C. E. J. Sendall, M.P.S.A. (director of the company).

Sixteenth Dramatic Production.—sixteenth annual dramatic production presented by members of W. J. Bush & Ltd., opened on December 20 at the Odeon Theatre, Golden Lane, E.C.1. play, Frank Vosper's comedy thriller "Murder on the Second Floor" was produced by Mr. E. L. Bush, with intermission music by Messrs. S. Nicholson and Emanuel at two pianos.

Broadcast from Works.—The feature "Workers' Playtime" on December 20 was broadcast from the club of The British Drug Houses, Ltd., during the lunchtime break, the artistes taking part being Adèle French, Vic Oliver and C. O'Connor. At the close of the performance Mr. G. F. Williams (managing director) thanked the Ministry of Labour, the British Broadcasting Corporation and the association for providing a show that had been appreciated by the staff.

Glasgow Contractors Form Association.—At a meeting of Glasgow chemist contractors on December 15 it was decided to form an association of contractors. The object would be "the discussion of contractors' problems and the placing of problems in an organised manner in front of the official committee." The following were nominated to draw up the constitution of the association:—Messrs. J. McKay, J. D. Mair, D. R. Brodie, V.

on, A. B. Wade, D. I. Wolfson, A. T. Laro, J. Lindsay, H. Kerrigan, S. Carmichael, R. B. Birrell.

H.S. Payment Delays.—At a meeting of the Huntingdonshire Executive Council December 13, Mr. H. Osborne, M.P.S., speaking on the arrears in payment for prescriptions under the National Health Service, said that the last payment which his firm had received was for prescriptions dispensed in April. A payment representing 37 per cent. of the total cost for the month was received in November. Ever since the scheme started there had been a period varying from four to seven months before the final settlement had been received. The Council decided to urge the Ministry to reduce the time-lag.

Representatives' Conferences.—A three-day conference of the sales representatives and advertising staffs of the EVAN WILSONS CO., LTD., held in London recently, was attended by the joint managing directors (Messrs. A. and C. Chaventre). The conference concluded with a dinner and a visit to the theatre.—The directors of THE BRITISH DRUG HOUSES, LTD., entertained medical and sales representatives and pharmaceutical managers to a dinner and a get-together on December 22, following the annual representatives' conference in London. Mr. G. F. Williams (managing director), who had recently returned from a tour to South Africa, spoke of the progress of the company and of future plans. Mr. P. Mullen, M.P.S.I., Dublin, proposed a vote of thanks to the directors of the company.

Slough Branch Meeting.—At a meeting of the Slough Branch of the Pharmaceutical Society on December 6, Mr. C. Beaven, M.R.C.P., A.R.I.C., gave an address entitled "Modern Conceptions of Drug Action." In the discussion which followed, Mr. Beaven said that it was rational to administer an antihistamine drug to a patient who was receiving a course of specific or specific desensitisation. By that means it is often possible to step up the doses of the desensitising extract. A member asked whether antihistamines could be used hygienically by beekeepers before the regulation of a colony, and it was agreed that this was a practical proposition. Other topics concerned the possible toxicity of prolonged use of calciferol for children, and the antidotal activity of vitamin K in dicoumarol overdosage. Where hemorrhage supervened, blood transfusions were considered more reliable.

OVERSEAS NEWS

Denmark Makes Agar.—A Danish company has begun the production of agar from certain types of seaweed found in the Kattegat.

Czechoslovakia to Buy British.—Under the terms of a recent trade agreement with Britain, Czechoslovakia is to buy pharmaceutical products (including alkaloids) and drugs from Britain and British Colonial territories.

Swedish Profit Margins Reduced.—The Swedish Government has decided to reduce the profit margin on pharmaceutical specialities so as to lower retail prices by an average of 10 per cent. Specialities are understood to represent about one-half of all medicines sold by Swedish chemists.

Norway to Produce Isotopes.—Norway is to build an atomic plant to supply isotopes for medical purposes and scientific research. The uranium needed is to be mined in Norway, where preliminary production in the southern part of the country is expected to yield sufficient quantities in one and a half to two years.

Loans to Canadian Students.—More than \$17,480 has been paid to Canadian students from a foundation fund set up by the Canadian Pharmaceutical Manufacturers' Association and Canadian retail pharmacists during the four years of its existence. The fund has sponsored research grants, teaching fellowships, student loans, and refresher courses for working pharmacists.

French Ministry Defends Streptomycin.—The French Ministry of Public Health has issued a statement on streptomycin, in which it says that "used wisely, streptomycin is one of the most precious of modern medicines." The communiqué endorses a recent newspaper statement by the physiologist Professor Etienne Bernard that streptomycin "accidents" were becoming increasingly rare.

New Source of Vitamin B₂.—Workers at the Northern Regional Research Laboratory of the U.S. Department of Agriculture, Peoria, Illinois, U.S.A., have shown that a yeast-like organism *Ashbya gossypii* will produce riboflavin in commercial quantities if grown under controlled conditions on a nutritive medium of the suitable composition. A paper on the subject was read to the 116th meeting of American Chemical Society held recently at Atlantic City.

NEW COMPANIES

F. DUCKWORTH & CO. (BLACKBURN), LTD. (P.C.)—Capital £5,000. To carry on the business of manufacturing chemists, etc. Fred Duckworth and Frederick H. Duckworth, directors. R.O.: 24 Park Road, Blackburn.

AIRKEM, LTD. (P.C.)—Capital £1,500. To carry on the business of manufacturers of chemical preparations for reducing odours and for the conditioning of air, etc. First directors are to be appointed. R.O.: Bilbao House, 36 New Broad Street, London, E.C.2.

FELTWELL (BARNES) & CO., LTD. (P.C.)—Capital £2,500. To acquire the business of a chemist and druggist carried on by the executor of the will of the late John G. Feltwell at 90 Church Road, Barnes, London, S.W.13. John F. Feltwell, Kate Feltwell and Thomas Bell, M.P.S., directors.

DANA PERFUMES, LTD. (P.C.)—Capital £10,000. To acquire the goodwill and trade marks and all or any of the other assets of the business now carried on by Dana (England), Ltd.; and to carry on the business of manufacturers of perfumes, etc. First directors are not named. Solicitors: McKenna & Co., 12 Whitehall, London, S.W.1.

Company News

LANTIGEN LABORATORIES, LTD.—The company announces that Messrs. C. P. Malley, P. T. Kehoe, R. F. Corran and F. L. Rolph constitute the board of directors.

WHIFFEN & SONS, LTD.—Mr. L. H. Butts has succeeded Mr. Stanley W. Whiffen, O.B.E. (see *C. & D.*, December 24, p. 853) as managing director of the company.

BRITISH INDUSTRIAL PLASTICS, LTD.—Consolidated net profit for the year ended September 30 amounts to £90,087 (after providing £120,721 for taxation), compared with £90,440 (taxation, £141,502) in the previous year. The dividend is maintained at 20 per cent.

Winding Up.—The statutory winding-up of the PHARMACEUTICAL & ALLIED CHEMICALS DISPOSALS ASSOCIATION, LTD., was formally completed at a general meeting held at 166 Piccadilly, London, W.1, on November 23, after the liquidator's statement of account had been presented to the meeting.

BUSINESS CHANGES

ALITE MACHINES, LTD., formerly known as Alite Patent Machine Co., have moved to 99 Springbank Road, London S.E.13.

GREAT HORTON INDUSTRIAL SOCIETY LTD., have reopened their pharmacy department at 984 Manchester Road, Bradford.

MISS M. J. TERRY, M.P.S., has acquired the business at 1160 Christchurch Road, Boscombe East, Bournemouth, formerly owned by Mr. W. Owen, M.P.S.

PERRY (CHEMISTS), LTD., have acquired the pharmacy at 63 Wellington Road, Leeds, 12, formerly owned by Mr. Norval H. Burns, M.P.S.

MR. MICHAEL J. MULREANY, M.P. for the 2 Cathedral View, Sligo, has been appointed compounding to the Sligo District and Sligo County Hospital.

LEGAL REPORTS

Unauthorised Possession.—At Southampton magistrates' court on December 1, a fine of £50, with the alternative of three months' imprisonment, was imposed on Frederick John Bridges, an unemployed stevedore, Weymouth Terrace, Southerton, for being in unauthorised possession of gr. 5½ of morphine.

Attempted Poisoning.—After a trial of several days G. Kenyon, a dispatch boy, Dickinson Road, Rusholme, Manchester, was sentenced to ten years' imprisonment at Manchester Assizes on December 1, on a charge of attempting to poison his aunt, Mrs. Marson, Macfarren Street, Longsight, with intent to murder her. He was found not guilty on charges of attempting to poison Mrs. K. Dudley and Mrs. Parry, both of Longsight. Kenyon was alleged to have put arsenic into a sugar bowl at his aunt's house while he was living there—whilst she was in hospital. On her return, Mrs. Marson and the two women were taken violently ill from drinking tea which tasted bitter. Kenyon denied the charges and said he had put DDT powder into the sugar bowl for his aunt. Against Mrs. Parry and Mrs. Dudley, whom he had quarrelled with, he had expected his aunt to take sugar; he said that she drank only milk. Kenyon was said to have no previous convictions, but wished the offences for stealing a number of articles from the shop where he was employed should be taken into account.

TOPICAL REFLECTIONS

Production and Supervision

The third editorial article in last week's issue (p. 864), based on an article by Mr. S. Lomax (lecturer in Economic Statistics at Manchester University) analysing the ratio of "non-productive" to "productive" workers in industry, merits careful study by every business executive employing a staff large enough to justify the engagement of a supervisor or supervisors. Fresh arrangements must of course be made, as a business grows, to subdivide departments and to fit recruits into existing demands. Provided that running costs are unduly high, an addition to supervisory staff is not to be casually condemned. The test is efficiency. In the past I have personally become acquainted with commercial concerns which gave the impression of being too expensively staffed. That such concerns have existed will, I think, be generally agreed. On the face of it, there would not be much risk of that state of affairs prevailing today: high taxation, if other factor, should prevent it. But there remains the insidious temptation to increase increasing trade with the engagement of more people than are actually needed to look after those engaged in production. The lucid analysis of Mr. Lomax makes, inferentially, how easily that can happen in this age of statistics and relevant form-filling.

and Liberty

"The Diffusion of Ideas," a section of *Essays Mainly on the Nineteenth Century* (1948), Mr. R. C. K. Ensor sees the principal channels for the diffusion of ideas. Newspapers are placed among eight media that "will surely occur to everyone as pre-eminent." An account of the functions of each, in a glance at comparable conditions of long ago, Mr. Ensor points out "the great temptation of the State to control channels of publicity." The new kind of totalitarianism "strives to get rid of illiteracy as it can" in order that its subjects soak their minds in the pro-Government publications." This technique has so far been, from the standpoint of those in power, a success: "in no single instance has a Totalitarian State been overthrown within. Nor is it easy to see how it could be, when once firmly established." The author contrasts the older system with the totalitarian system in striking sentences. "The nineteenth

century sought ways of securing that government should conform to public opinion." Conversely the Totalitarian view aims, not at conforming government to public opinion, but at conforming public opinion to government." His argument might have been strengthened by a reference to official "hand-outs," which can be as great a nuisance to the technical Press as to the "national" daily newspapers. This theme of liberty and the vigilance essential to its continuance is developed, in an admirable essay, in more detail than I have space to indicate.

"Conversations" on Physics

A recent reference in this section to Jane Marcet's "Conversations on Chemistry" has brought me the gift of a copy of the same author's "Conversations on Natural Philosophy" (13th edition, 1858). Mrs. Marcet's modesty regarding her knowledge of what we know as physics takes the edge off any criticism that a modern reader may be inclined to make. In the preface she mentions her ignorance of mathematics as the reason for treating her subject "in the form of a familiar explanation of the first elements, for the use of very young pupils." And in the last paragraph of the book her Mrs. B. tells the two pupils (the same Emily and Caroline whom we met in the chemistry lessons): "I have communicated to you the whole of my limited stock of knowledge of Natural Philosophy." The formidable Mrs. B. asks questions rather after the manner of Socrates in Plato's dialogues, and her pupils have their mistakes duly corrected. Teacher and pupils talk much alike. The twelve-year-old Emily ends one lesson thus: "The apple of discord for which the goddesses contended; the golden apples by which Atalanta lost the race; nay, even the apple which William Tell shot from the head of his son, cannot be compared to the apple of Newton." This early-Victorian primness, however, does not disguise the fact that Mrs. Marcet had her wits about her. The explanations of phenomena of heat, light and electricity, for instance, are attractive in a popular-lecture style, and the author was careful not to go out of her depth. Probably her husband, a Fellow of the Royal Society helped her in checking the facts and designing the thirty-four plates. This book first appeared in 1819. **Xrayser**

DEATHS

BAKER.—On December 17, Mr. Edmund Gilbert Baker, F.L.S., 3 Cumberland Road, Kew, aged eighty-five. Mr. Baker, who qualified as a chemist and druggist in 1886 and passed the Pharmaceutical Chemist examination the same year, was a son of Mr. John Gilbert Baker, keeper of the Herbarium at the Royal Botanical Gardens, Kew. Born at Thirsk, and educated at the Bootham School, York, he served a pharmaceutical apprenticeship at Chertsey and studied at the College of the Pharmaceutical Society, gaining high distinction in botanical studies. In 1886 he secured the Pereira medal of the Pharmaceutical Society. In 1887 he was elected a Fellow of the Linnean Society, on whose council he served from 1917 to 1921. In 1887 also he joined the Department of Botany, British Museum, as a junior assistant and worked there until 1924, except for a break during the 1914-18 war, when he was engaged in ambulance work. After his retirement in 1924 Mr. Baker continued to work in the British Museum on certain genera in which he was interested. He published many papers on taxonomic botany and made a special study of the African leguminosæ, on which he was the recognised authority.

CRAIG.—At a nursing home in Glasgow on December 21, Mr. William Reid Craig, formerly of 9 Kildonan Terrace, Paisley Road West, Ibrox, Glasgow, aged eighty-one. Mr. Craig qualified as a chemist and druggist in 1894.

HARWOOD.—In Belfast, on December 18, Mr. Victor C. Harwood, formerly a manufacturing chemist in Belfast. He retired a few months ago.

PARKER.—On December 17, Mr. Herbert Charles Parker, M.P.S., Cowick Lodge, New Cross Road, Stamford, Lincs, aged seventy-nine. Mr. H. Parker was at one time manager of the pharmacy in St. Mary's Street, Stamford, now carried on by Mr. George Farndell. He had been in retirement for many years, but during his retirement had acted as honorary pharmacist to the Stamford Hospital for about fourteen years prior to the coming into force of the National Health Service Act.

THOMPSON.—On June 23, Mr. Thomas Thompson, Ph.C., 21 Bibsworth Avenue, Swanshurst Lane, Birmingham, 14. Mr. Thompson qualified as a chemist and druggist in 1892 and passed the Pharmaceutical Chemist examination in 1895.

PERSONALITIES

MR. ROGER FAULK, O.B.E., has been appointed first director-general of the British Export Trade Research Organisation. He takes up his duties in 1950.

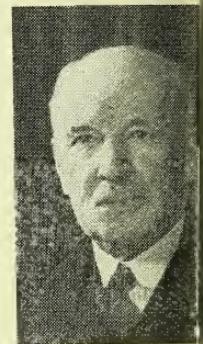
MR. A. J. FAIRLEE, M.P.S., whose pharmaceutical career is the subject of review on p. 9 was apprenticed in Carlisle, and qualified afterwards at Will's College of Pharmacy, London, in January 1895. He then served with Mr. F.G. Curtis, Ealing, and in 1896 joined the staff of the Plough Court pharmacy of Allen & Hanburys, Ltd., later being promoted senior pharmacist. In 1906 he set up in business on his own account at Lavender Hill, Battersea, in premises which he since had greatly altered and enlarged. He has always made a study of "objects pharmaceutical" and over the years has acquired a valuable collection which includes bottles from Roman to recent times; riddles; caddies; civet horns, and well over 100 drug jars. He is a founder-member and past-president of the Battersea Royal Club.

MR. AND MRS. J. F. BOTHA, Cape Province, South Africa, have been received home from Britain (see *C. & D.*, April 13, p. 208) for urgent personal reasons.

MR. H. E. JOHNSON, M.P.S., sales manager of Arthur H. Cox & Co., Ltd., Elstree, is for health reasons giving up his post and emigrating with his family to Sydney, Australia.

SIR JOHN L. SIMONSEN, director of the Colonial Products Research Council, received the new \$1,000 Fritzsche award from the American Chemical Society for his work on essential oils and terpenes at a meeting during the 116th national meeting of the Society recently.

THE following have been appointed vice-presidents of the Royal Society for 1950: Sir Thomas Merton (treasurer of the Society); Sir Edward Salter, C.B.E. (biological secretary of the Society); the Director of the Royal Botanic Garden, Kew, and Sir David Brunt (physician to the Society).



PRICING IN NORTHERN IRELAND

The results of a November review of the abridged scheme of pricing of Health Service prescriptions have now been circulated by the Local Pharmaceutical Committee in Northern Ireland. The review states that progress has been made in respect of prescriptions up to and including April 1949, that payment for May and June, based on the April average, may be expected in October (April was priced in full). Progress has been slower than was estimated by the Drug Pricing Bureau in June, owing to several causes. Prescriptions from August onwards have been sorted by pharmacists and the pricing staff is becoming more efficient. It is therefore expected that greater progress will be made in 1950, the latest estimate of the Bureau is that July will be the last month for which it will be necessary to average. The scheme forward last June will thus have to be ended so as to average for January, February, March, May, June and July 1950. December 1949, and April and

August 1950, will be priced in full. The Committee was informed by the accountants that the test figures show the scheme to be working as fairly as may be expected. To safeguard the principle of full pricing, the Committee felt that it would be necessary to continue the abridged system until arrears were cleared up, as any other course would lead to chaos and a real danger of having averaging forced on chemists for all time.

Interim Payment Increased

At the request of the Committee the Ministry has agreed to an increase in the interim payment for prescriptions and also to a dispensing fee of 5s. for all eye-drops (which must be freshly prepared by aseptic technique). The fee includes the provision of a dropper bottle, and each prescription requires to be suitably endorsed. Specifications for elastic hosiery and trusses, showing a better profit, will operate from January 1, 1950.

MINISTER'S ADVICE ON EXPORTING TO U.S.

President of the Board of Trade (Mr. Gold Wilson), in a statement on a recent visit to the United States, said that, apart from a large unsatisfied demand for traditional British items of export, a market existed for a wide range of other goods, if the right methods were applied to marketing. So far that had not been the case. Amongst the items he listed as suitable for expanding the country's exports were specialised chemicals and scientific instruments. Price was no longer the main problem, which had become partly one of selling (including styling, packaging, etc.) mainly one of deliveries. The importer did not, in the speculative conditions of the American market, be prepared to enter contracts for goods that would take a long time to deliver, or—even worse—goods of which the delivery date was uncertain. Speed of delivery was of great importance, but it was just as important to deliver to the date promised. The Chancellor had stressed on hundreds of occasions that the dollar export problem would not be solved on the Eastern seaboard alone, that markets in the West and Deep South of the United States were characterised by considerable goodwill, and cheap freight rates provided an easy and profitable line of delivery to the United States. They had shown

the greatest advances in population and in income per head, and constituted the most helpful line of entry into the American market. Mr. Wilson said that, since his announcement of new, unorthodox and, in his view, imaginative arrangements which the Export Credits Guarantee Department had put in force, there had been over 2,000 inquiries or proposals by business firms for the new facilities (underwriting risks, advertising and promotional expenditure, carrying of stocks to maintain American standards of service and supply). In these and other ways the Government was giving all the assistance a Government could legitimately give, but the main task fell on British industry. He had heard too much of failure to go out and get the orders, and also of sellers who permitted dollar buyers, coming to this country with a cheque book in hand, to return without placing orders with no more excuse than that order books were full, and that it was easy enough to sell in other markets. This was simply not good enough. Economic recovery, and the whole future of the country depended on closing the dollar gap. It was the duty, and the interest, of every exporter in this country to ensure that dollar enquiries were dealt with promptly and put ahead of deliveries to other areas.

TRADE NOTES

Prices Increased.—Roche Products, Ltd., Broadwater Road, Welwyn Garden City, Herts, announce that the prices of Citro-Thiocol cough syrup and Larostidin ampoules are being increased on January 1, 1950.

Now Taxable.—John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1, state that, under a Customs and Excise decision, Ossivite capsules have been subject to purchase tax at 33½ per cent. since December 16.

Certificate Award.—Flexa cubes (non-toxic, odourless plastic moulds, designed for the easy production of ice cubes in refrigerators), which are issued by Grovewell, Ltd., 656 Forest Road, London, E.17, have been granted the certificate of the Institute of Good Housekeeping. The special feature of the moulds is the ease with which the cubes of ice can be ejected.

Changes of Pack.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce that Soloid brand mercuric potassium iodide, gr. 8.75 (bottles of 250) and sodium chloride, gr. 40 (bottles of 500), and Tabloid brand phenacetin compound (bottles of 500), are available in tax-free dispensing packs. Tabloid brand sodium citrate, gr. 2, is available in bottles of 500, and gr. 5 in bottles of 100 (dispensing packs discontinued).

"Dry" Kaolin Poultice.—Dripol, a new type of poultice designed to give dry heat, is manufactured by the Dripol Co., Farm Road, Hove, Sussex. The poultice consists of a heat-sealed white flexible envelope of polyvinyl chloride enclosing catalysed kaolini. In use, the envelope is heated in water and applied to the affected part, either direct or wrapped in gauze, etc. It may be washed and re-heated when cold. Dripol is made in a number of sizes and shapes.

Half-century Supplement.—Every chemist on the books of Meggeson & Co., Ltd., Llewellyn Street, London, S.E.16, will be receiving from the company a copy of a special "Turn of the Century" supplement to be published by the "Daily Mail" on January 2. The publication will be contributed to by eminent writers and politicians, and will review the last fifty years. Messrs. Meggeson have taken a whole-page advertisement in the supplement for their products.

Export Symbol.—Export cases of medical supplies sent out from the headquarters of Evans Medical Supplies, Ltd., St. Liverpool, 19, carry the Board of Trade symbol "From Britain" (see C. & J. June 18, p. 803). The blocks have specially made by the company's printer, Donald Kendall & Son, 25 Victoria Street, Liverpool, who have been authorised to use the blocks for any other export packages who may wish to use the symbol in the adopted (6 in. diameter). The label is protected from moisture and dirt by application of sodium silicate solution.

Schoolboys' Exhibition.—At a Schoolboys' Exhibition, to be held at the Royal Horticultural Hall, London, S.W.1, December 31, 1949, to January 14, Johnsons of Hendon, Ltd., Hendon, London N.W.4, are staging practical demonstrations to show how easy it is for boys to start home photography. Development will be explained, and contact prints which the boys expose will be developed on the spot. An enlarger will be in operation, and each boy after a demonstration of toning and tinting will receive a free copy of a book on photography.

"Ideal" Foundation Cream.—Producing Goya beauty base, the manufacturers, Goya, Ltd., 161 New Bond Street,



London, W.1, give a description of the founder of the company of the early days of the product: "The qualities I required of the product included that it should possess the quality of keeping face paint on the face (and particularly on the nose) for long periods; that it should be easy of being applied two or three times during the day should the user not have the opportunity of completely removing her

; that it should not clog the pores; that should possess long-term nourishing and tonifying properties, etc. . . . I think, after four years of work, we have succeeded in getting as near as is humanly possible to our long list of ideal qualities."

Complete Culture Media.—Oxo, Ltd., James House, Queen Street Place, London, E.C.4, are producing in tablet and mule forms their Oxoid culture media. The tablets are intended for the prepara-



of single tubes and small quantities of medium. The granules—for larger-scale work—are hard, of even size, and, being hygroscopic, than spray-dried powder, to measure. Several types of media already available in these forms. Two are illustrated.

Proprietary Articles Trade Association

Additions to Protected List (Part 1). Holl, Ltd., Neo-Octon ampoules, 1.1-c.c., 45s. doz., tax 33½ per cent., inclusive of price, 6s. 3d.; 30's 20s., 180s. doz., 33½ per cent., i.r.p. 25s.; tablets, 22s. 6d. doz., tax 33½ per cent., i.r.p. 10d.; 100's, 157s. 6d. doz., tax 33½ per cent., i.r.p. 21s. 10½d.; 500's, 708s. 9d. tax 33½ per cent., i.r.p. 98s. 5½d.; 10-c.c., 24s. 9d. doz., tax 33½ per cent., i.r.p. 3s. 5½d.; 100-c.c., 173s. 3d. tax 33½ per cent., i.r.p. 24s. 1d.

Dr. Earl S. Sloan, Ltd. (Agents: Wm. R. Warner & Co., Ltd.) Sloan's balm, 27s. doz., tax 33½ per cent., i.r.p. 4s.; three-dozen lots, 26s. doz.

Clinical Products, Ltd., Polycrest anti-pruritic cream, now exempt from purchase tax, 32s. doz., 3s. 1od.

Parke, Davis & Co. From December 13, purchase tax reimposed on dicalcium phosphate wafers with vitamin D, 36's, 22s. doz., tax 33½ per cent., i.r.p. 3s. 4½d.

Smith, Kline & French International Co. (Distributors, Menley & James, Ltd.), purchase tax reimposed on Dexedrine tablets, 24's, 38s. doz., tax 33½ per cent., i.r.p. 5s. 3d.; and ampoules, 6's, 129s. doz., tax 33½ per cent., i.r.p. 15s. 7d.

Additions to Protected List (Part 2).—**Addis, Ltd.** Wisdom bristle brush, 16s. 3d. doz., tax 33½ per cent., i.r.p. 2s. 6d.

Alterations to Protected List (Part 2).—**Crystal Products, Ltd.** (Distributors: Myram Picker, Ltd.), Outdoor Girl compact rouge, 6s. 2d. doz., tax 100 per cent., i.r.p. 1s. 3d.; powder cream temporarily withdrawn.

Koko, Ltd., Koko cream shampoo (new size), 5s. 9d. doz., tax 33½ per cent., i.r.p., 10½d.; 13s. doz., tax 33½ per cent., i.r.p., 2s.; Koko hair tonic, standard wholesale prices subject to discount to retailers of 8½ per cent. in respect of window display.

Henry C. Miner, Ltd., Stick make-up (large), 16s. 6d. doz., tax 100 per cent., i.r.p. 3s. 5d. Lipid liquid lipstick, 12s. doz., tax 100 per cent., i.r.p. 2s. 6d.; 8s. 6d. doz., tax 100 per cent., i.r.p. 1s. 9d. Lipstik (large), 12s. doz., tax 100 per cent., i.r.p. 2s. 6d. Blemi Stik, 8s. 6d. doz., tax 100 per cent., i.r.p. 1s. 9d. Chap Stik, 6s. 2d. doz., tax 100 per cent., i.r.p. 1s. 3d.

Chas. H. Phillips Chemical Co., Ltd., Phillips magnesia texture-cream (small), 5s. 5d. doz., tax 100 per cent., i.r.p. 1s. 1d.; cleansing cream (small), 5s. 5d. doz., tax 100 per cent., i.r.p. 1s. 1d.

Scram Products, Ltd., Revised window and counter display terms, 1-dozen box, three dozen, 8s. 9d. doz.; six or nine dozen, 8s. 7d. doz.; twelve or twenty-four dozen, 8s. 3d. doz.; 3-dozen box, three dozen, 8s. 6d. doz.; six or nine dozen, 8s. 4d. doz.; twelve or twenty-four dozen, 8s. doz., less 2½ per cent. off invoice on 24 dozen only. Beetlescram, giant bellows box, 50s. 5d. doz., 6s.; 2-oz. puffer boxes (box of 28), 20s. (both exempt); retail price 1s.

HOSPITAL PHARMACISTS' SALARIES AGREEMENT

DETAILS of an agreement reached between the management and staff sides of the Pharmaceutical Whitley Council (Committee C) are now available. The agreement relates to pharmacists employed by Regional Hospital Boards, Hospital Management Committees, Boards of Management, Boards of Governors of Teaching Hospitals and Local Health Authorities. "Hospital" includes "Health Centre."

Salary Scales

The following salary scale and conditions of service have been agreed for England, Wales and Scotland following an award by the Industrial Court dated August 24 (see *C. & D.*, September 10, p. 340). The scales are to take effect as from July 5, 1949. The conditions of service take effect from December 21.

Pharmacist (Minimum

linked to age twenty-three, with an abatement of £25 for each year below that age). £425 x £25—£525

Senior pharmacist (in category III hospitals only) £475 x £25—£575

Deputy chief pharmacist (in category IV hospitals only) ... £525 x £25—£625

Chief pharmacist:

Category I ... £525 x £25—£625
Category II ... £575 x £25—£675
Category III ... £625 x £25—£725
Category IV ... £675 x £25—£825

Entrants to basic grade with professional (other than hospital) experience may, at discretion of employing authority, enter basic grade at a point not exceeding £475 per annum provided that the point is not higher than that which they would have reached had all the previous service, since qualification, been hospital service. That arrangement is to hold for a period of two years from July 5, 1949 and thereafter to be reviewed.

Allowances

Persons holding a qualification higher than M.P.S. (at present the degree or diploma of B.Pharm., A.R.I.C., Ph.C., or a university degree in a relevant field of science) will receive a special allowance of £25 per annum. The higher qualification allowance will not be payable to chief pharmacists in certain nominated medical teaching hospitals who qualify for a special

allowance ranging from £100 to £200 annum in addition to the appropriate salary shown above. A special joint committee has been set up to nominate such hospitals and to determine amounts of the special allowances. Chief pharmacists in teaching hospitals in receipt of salaries from the hospital (excluding payments for lectures to medical students) not exceeding £825 per annum should now be provisionally assimilated on the basis described below under "assimilation." Where allowances are agreed in certain nominated teaching hospitals appropriate assimilation adjustments are to be made in due course. Chief pharmacists at present receiving salaries in excess of £825 per annum should have the details reported to the secretary of the management side. The grade of chief pharmacist includes posts formerly held by single-handed pharmacists-in-charge. The salary scale is determined on a "points" system.

TYPE OF HOSPITAL	POINTS	CATE
General, health centres and special hospitals other than those mentioned below.	Out-patient attendances + (average daily number of occupied beds x 365 or total occupied bed days per annum).	I II III IV
	10,000	
T.B. sanatoria and fever hospitals.	Out-patient attendances + (average daily number of occupied beds x 365 or total occupied bed days per annum).	I II III 2
	10,000	
Mental, chronic orthopaedic and accident.	Average daily number of occupied beds x 52.	I II III 2
	10,000	

Assimilation

The period to be taken for the assessment of points is the year January to December 31, 1948. The beds and patient attendances of subsidiary hospitals or clinics, without a full-time pharmacist of their own, but for which pharmaceutical services are provided under the supervision of a chief pharmacist, are to be included in assessing the category of the hospital in which the chief pharmacist is employed. Pharmacists already in hospital employment on July 5, 1949, are to be placed

e minimum of the new scale or the
arest point on the new scale that is not
s than £50 above the salary on July 4,
49, if that is more favourable: provided
at no pharmacist is to be placed on a
int higher than that corresponding to
e point he had reached on the old scale.
he proviso is interpreted as applying to a
puty chief pharmacist or senior assistant
armacist regarded as a pharmacist as
ough it read "the point he would have
ached on the scale for the basic grade
d all the hospital service been in that
ide." In its application to a deputy
ief pharmacist regarded as a senior phar-
acist it is interpreted as if it read "the
int he would have reached on the scale for
ior assistant pharmacist had his service
the grades of senior assistant pharmacist
d deputy chief pharmacist been counted
a senior assistant."

ternatives

An existing employee at July 5, 1949
y opt to retain his old salary scale,
ether with all his old conditions of ser-
ce, but cannot retain one or more of his
old conditions if he opts for the new scale;
r can he take one or more of the new
conditions if he retains his old scale of
ary (provided that a chief pharmacist
a Category I or II hospital who opts for
new salary scale and conditions of ser-
ce may be allowed to retain any existing
iday entitlement up to a maximum of
nty-four days). The incremental date
existing employees at July 5, 1949, is
be for employees entering the service or
moted after July 5, 1949, the date of
ry or of promotion as the case may be;
d for pharmacists entering the basic grade
er July 5, 1949, or before age twenty-three,
ir birthdays. On promotion from one grade
another after July 4, 1949, the basic
de pharmacist rising to senior pharma-
cist receives an immediate salary increase
£50, and to deputy chief pharmacist or
ef pharmacist category I an immediate
rease of £100; the senior pharmacist
to deputy chief pharmacist or chief
armacist category I receives an immedi-
ate increase of £50. When an officer
ves to a post of equal responsibility as
ssured in terms of salary he retains his
ting salary and incremental date. In
other promotions the salary on promo-
tion should be the minimum of the new
le or the point on the new scale next
ve the existing salary, if that is higher
n the minimum.

Conditions of Service

The hours of work are thirty-nine per
week, excluding meal times. Staff working
more than thirty hours in any one week
are entitled to time off in lieu (but no
payment for hours worked in excess of
thirty-nine). The periods of leave applicable
to the grades are:—Pharmacist or senior
pharmacists, eighteen days; deputy chief
pharmacist or chief pharmacist in cate-
gories I and II (except as already stated),
twenty-one days; chief pharmacists in
categories III and IV, twenty-four days;
chief pharmacists in receipt of a gross
salary from the hospital of £1,000 or over,
thirty-six days in the leave year (in addi-
tion to statutory and general national
holidays). An officer is entitled to take
leave after he has completed six months in
the hospital service. Saturday is regarded
as a full working day.

An officer absent from duty owing to his
illness (deemed to include injury or other
disability) is entitled to receive an allowance
in accordance with the following
scale:—In the first year of service, one
month's full pay and (after completing four
months' service) two months' half pay; in
second year, two months' full pay and two
months' half pay; in third year, three
months' full pay and three months' half
pay; in fourth to sixth years, four months'
full pay and four months' half pay; in
seventh to tenth years, five months' full
pay and five months' half pay; after com-
pleting ten years of service, six months'
full pay and six months' half pay.
The employing authority has discretion to
extend application of the scale in an ex-
ceptional case.

The agreement is being circularised to
all hospital authorities, and hospital phar-
macists should await receipt of the agree-
ment by the hospital authority before
taking any action to have it implemented.

Mortar as Tocsin.—In the Ilfracombe
Museum, on a large piece of faded red
cloth in a glass frame, is the following
description.—"1797: Old Betty Gammon
went through Combe ringing an iron pestle
and mortar to warn the inhabitants. She
assembled the women (the men were serv-
ing in the Navy)—they put their red
petticoats over their shoulders. The French
in the ships in the Channel (Bristol), think-
ing them to be red-coated soldiers, turned
away and a possible invasion was averted.
She paraded them on War Hill."



JOHN BELL'S "Triad" Cherry Malt

Retail	Trade
1 lb. jars 2/8 each	23/6 doz.
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1/8 size (including tax) 10/-

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Next Session commences: March 1950

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MOST EFFICIENT—CONFIRMED IN
THE LANCET

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reulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades throughout the World

cial organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of her Chemists' Societies in the Empire.

OL. CLII DECEMBER 31, 1949 No. 3645

Making Stock and Planning Ahead

PUBLICATION date that coincides with the day traditionally set aside for the making of new resolutions could hardly be more appropriately employed than by assessing the achievements of the outgoing eleven months and mapping out a course for the year ahead. With that in mind we include major contributions of two kinds in this issue of THE CHEMIST AND DRUGGIST. A week ago we gave, under the title "Sayings of the Year," an entertaining "potted history" of the year. Our present purpose is more serious. On the one hand we give authoritative reviews of the scientific progress made during 1949, so far as it impinges on the practice of pharmacy, and the economic ups and downs of a traditional year that has seen the lifting of many wartime limitations, even though many others remain. To bring events more vividly into perspective, we add a pictorial review that will recall to groups of subscribers or to our readership as a whole, incidents and scenes of social contact or industrial development or commemoration. No calling, perhaps, has quite so many ramifications as pharmacy and its allied professions, industries and trades, and it is fitting that this fact should be reflected in the numerous active and energetic trade and professional bodies, all of them well endowed with officers amply qualified by experience and regard for members' welfare. put forward the New Year's Greetings from the second main stream of contributions to our columns this week. Their messages of balanced optimism may be

read with interest and profit not only by the sectional minority to which each separately is addressed but by the members of all the other bodies represented.

It is also appropriate at this juncture to make mention of the *C. & D. Diary and Year Book* that will shortly be finding its way into the hands of our subscribers both at home and overseas. Only a casual glance at the pink insets will be needed to demonstrate that the editorial contents have had a considerable overhaul, and that a profusion of informative detail has been compressed into the editorial pages in order to do justice to the many topics that had to be included.

A five-page summary of the pharmaceutical services under the National Health Service constitutes a more complete guide to the arrangements than can be found in any other single source, though it has been necessary, perforce, to deal summarily with some aspects (such as the differences of practice between England and Wales on the one hand and Scotland on the other). One page has been allotted to "Payments to Chemists Under N.H.S.", and that has not permitted us to go much beyond listing the dispensing fees payable under the contract.

The pages on poisons regulations in Great Britain, Northern Ireland and Ireland may appear to be an unchanging perennial feature. In reality, of course, they involve minor alterations practically every year and on this occasion include modifications so important that not to take them into account might lead practising pharmacists into perilous quicksands.

Pharmacists not themselves in possession of licences to make penicillin injections will find especially valuable a directory in which they can locate a supplier in reasonably close proximity, and the two-page "Table of Synthetic Symptomatic Drugs" (chiefly antihistamines) provides a compact guide to the chemistry, sources, availability and dosage of a group of compounds which—for good or ill—have recently achieved fame or notoriety in the popular Press, and are, of course, receiving increasing attention in medical periodicals.

Once again the directory of pharmaceutical organisations, covering as it does

branches of the Pharmaceutical Society and National Pharmaceutical Union, other national and local associations, the Local Pharmaceutical Committees, and (for the first time) overseas pharmaceutical organisations, and supplemented as it is by a list of the names of pharmacists serving on Executive Councils, provides the most up-to-date and comprehensive guide to pharmaceutical bodies and their secretaries. It will be seen, too, that the lists of "Drug and Other Trade Associations" and "Public and Professional Offices" have been expanded to include additional entries considered likely to be of day-to-day service to manufacturers, wholesalers and practising pharmacists alike.

Education Diagram

In default of a comprehensive itinerary for intending pharmacists at the outset of their career (it takes an Educational Number of THE CHEMIST AND DRUGGIST to do justice to that), the stages in training have been graphically represented, and students will be able to see at a glance what the process of qualifying entails under the new educational arrangements and in the interim period until they take full effect.

Though it might seem that a multiplicity of recent announcements affecting the taxability of individual proprietary items would already have rendered obsolete the closely printed paragraphs on "Purchase Tax," in fact those announcements are interpretations of detail and do not affect the main body of classifications as given in our *Year Book* pages.

Not for some years, regrettably, have we included a summary of the "Spirit Laws and Regulations," but the subject is one that needs to be fully known to all who have the handling of spirituous preparations. In our summary the pharmaceutical aspects are thoroughly covered, and we predict, without any rashness, that the four pages will be in constant use throughout the year. Duties on imported chemicals, etc., are once again revised, tabulated and explained. Finally, it is legitimate to mention with some pride the numerous advertisement pages — more colourful than ever this year—with their attendant reference features the Buyers'

Guide (increased by ten pages) and The Directory—still the unrivalled exchange and signpost for the trade as a whole.

Apart from any obstacles at present foreseen, the dispatch of all copies of *Diary* should have been completed within a matter of days. They will carry our wishes for the prosperity of all concerned.

Exports in November

ALTHOUGH the export trade generally of Britain reached record levels during November, attaining £160.4 millions (an increase of £4.3 millions over the previous month), the chemical trade did not fare very well. However, it is evident that the industry, as a whole, is fulfilling its function in supplying other industries and contribute substantially to the export trade. The value of chemicals, drugs, dyes, etc., shipped during the month at £6,893 represents a decline of £747,114 on the peak figure of the previous month and compares unfavourably with the total for November 1948 (£6,961,717).

Exports of drugs and medicines valued at £1,250,237, compared with £1,394,818 in the corresponding period a year ago. The lower total may be accounted for to some extent by the fall in the value of goods taken by India. November shipments to India were valued at £20,802, against £68,764 in the previous month, and £164,264 in November 1948. Exports to Canada increased to £24,901 (November 1948, £14,775) while the October figure of £13,020, Export of proprietary remedies totalled £350 against £380,503 in the previous month and £470,320 a year ago. Here again there was a decline in Indian purchases partly accounts for the fall on the year. Quinine exports were valued at £24,183, against £21,259 in the previous month. A consignment of 195,830 lb. of aspirin was shipped overseas, valued at £30,368 (October, 156,000 lb., valued at £41,366). Insulin exports totalled £21,822 (October, £35,796) while penicillin, £153,699 (£268,974). The value of ointments and liniments exported was £595,059 (£793,755).

The value of perfumery and toilet preparations shipped in November was £282,300, compared with £326,366 in October.

N.H.S. AMENDMENT REGULATIONS

new regulations under the National Health Service (the General Medical and Pharmaceutical Services) Amendment Act, 2) Regulations, 1949 (S.I., 1949, No. 2341) were laid before Parliament on December 16. The regulations amend (i) the procedure for filling vacancies on the medical list where an Executive Council declares a practice vacant; and (ii) the procedure for providing general medical services to patients of a doctor who has died or retired from the Medical List; (iii) prescribe the medical certificates a doctor is required to provide free to patients or their personal representatives; (iv) amend the provisions relating to the employment of medical assistants; (v) permit doctors to order certain drugs in bulk for their patients residing at schools and institutions; and (vi) restrict persons providing pharmaceutical services from advertising otherwise than in an approved manner in connection with their work under the National Health Service. The regulation concerning bulk prescribing comes into force on February 1, 1950; that concerning advertising on March 1, 1950. The remainder came into force on December 16.

bulk Prescribing

The substance of the regulation on bulk prescribing is an addition permitting "a practitioner who is responsible under the terms of service for the treatment of ten or more persons in a school or institution in which at least twenty persons are normally present to use a single form for ordering supplies of a kind to which the subparagraph applies for any two or more of those persons for whose treatment he is responsible, to enter on the form the name of the school or institution and the number of the persons residing therein for whose treatment he is responsible. The drugs to which the subparagraph applies are those included in the National Formulary (except drugs and preparations within the Dangerous Drugs Regulations, or being or containing a poison included in the Fourth Schedule to the Poisons Rules, and any other drugs which may from time to time be notified to practitioners and chemists by the Minister, after consultation with organisations representative of medical practitioners and chemists, as being drugs to which the subparagraph applies). The regulation governing advertising of

pharmaceutical services requires that a chemist shall not advertise, either directly or by implication, that his name is included in a pharmaceutical list or that he provides or is authorised to provide pharmaceutical services under the Act. Nothing in the paragraph prohibits (a) the display at any premises at which a chemist carries on business of the notices referred to in subparagraph (2) of paragraph 4 of the terms of service; or (b) the use in any advertisement of wording identical with that contained in those notices, or of the following wording (or wording substantially to the like effect approved by the Minister as appropriate): "National Health Service prescriptions dispensed" or "Drugs/Appliances supplied under the National Health Service"; or (c) the inclusion in any advertisement of a statement of the days and hours at which pharmaceutical services are provided. For the purposes of the paragraph, the expression "advertise" includes publication of a notice in any newspaper or other printed paper issued periodically for public circulation; issue of circular letters; use of letter-headings, bill or account headings and the like; publication of booklets, leaflets and pamphlets; canvassing in any form; making any public announcement by means of wireless, gramophone records or loudspeaker; displaying of any poster, placard, streamer or sign; exhibiting of any film, slide or announcement at a theatre, cinema or other place of public entertainment or resort.

Containers for bulk prescriptions as referred to under "Bulk Prescribing" above remain the property of the chemist.

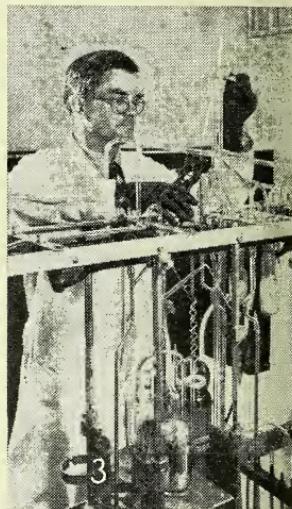
Commerce of El Salvador.—A review of commercial conditions in El Salvador is published by H.M. Stationery Office, price sixpence. British pharmaceutical products are stated to be well represented in that country, but they are at a disadvantage by comparison with the lighter-packed American goods because the high customs tariff is based on gross weight. The authorities require two registrations for imported pharmaceutical products—first of the trade mark, and secondly with the Junta de Farmacia. Chemical imports in 1946 totalled 1.3 million colones [£ sterling = 10.15 colones, approximately]; of medicines, 3.0 million colones; and of perfumes and cosmetics 1.5 million colones.



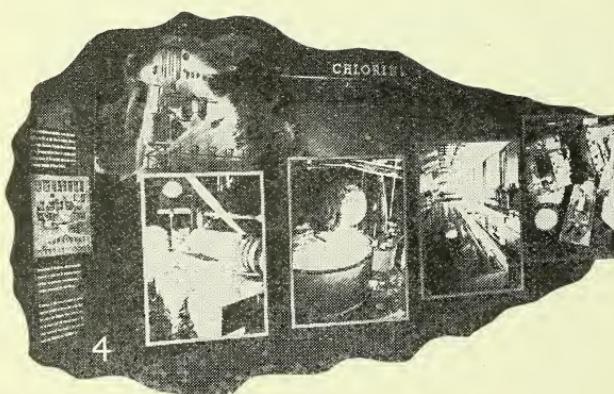
1. Linking Britain to Western California and 1949 to the turn of the century, the twenty-mule team trade mark of Borax Consolidated, Ltd., London, serves as a reminder of the company's jubilee celebrated early in the year.



2



3



4

2. In Belfast, in March, the Royal Society of Northern Ireland made a landmark by conferring honorary membership on Professor E. B. C. Moore.
3. At Amersham, Bucks, the Radioactive Isotope Centre produced its first artificial isotopes for medical purposes.
4. At the British Industries Fair, chemical manufacturers dramatised their exhibits. Imperial Chemical Industries illustrated everyday uses of chlorine.
5. The bicentenary dinner of Moore, Ltd., brought together 300

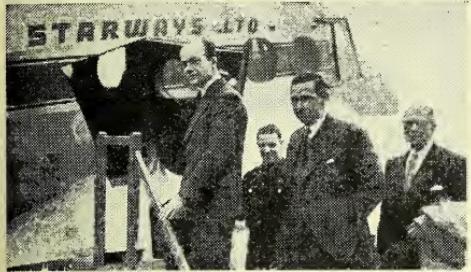


5

S
O F

PICTURED EVENTS EAR THAT ENDS TODAY

Has it been a "vintage" year in pharmacy, science, in industry? Some of its events are set in the series of pictures shown below.



Delegates from Evans Medical Supplies, Ltd., and the stillers Co., Ltd., chartered a 'plane from Speke aerodrome to attend a conference in Scarborough of the Association of British Pharmaceutical Industry.

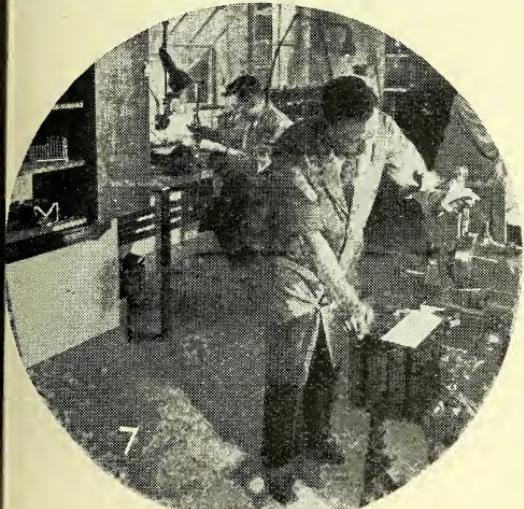
Looking both forward and back, Monsanto Chemicals, d., opened new research laboratories (instrument workshop shown) in tribute to Dr. T. P. Nickell (chairman and managing director, 1930-48).

Britain's newest chemical industry—chemicals from petroleum—advanced a stage by the erection of a new plant (the tank "farm" of which is shown) by Shell Chemicals, Ltd., at Stanlow, Cheshire.

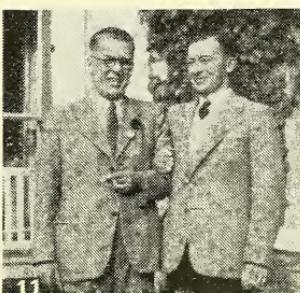
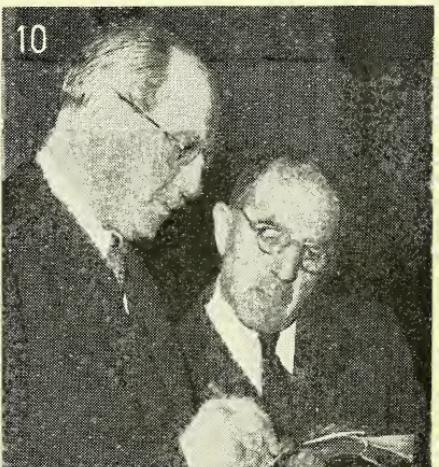
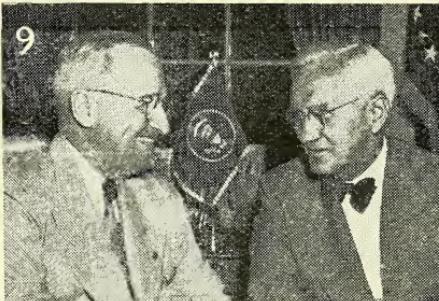
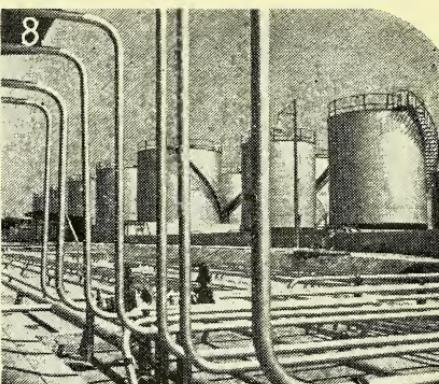
President Truman, who during the year announced that cortisone would be developed for the peoples of the world, further showed his interest in medical progress when he gave an interview to Sir Alexander Fleming.

1. Scientific workers from Britain, America and Europe met at the 108th anniversary meeting of the Chemical Society. The president (Sir Ian Heilbron) with Professor A. Paneth (chairman of one of the sections).

1. Friendships are made and renewed at the British Pharmaceutical Conference, held this year at Blackpool. Mr. P. A. Brady, Dublin, with Mr. H. H. Cowzer, Belfast.



7



11

NEW YEAR GREETINGS

In reply to our invitation we have received from the leaders of the professional, retail, wholesale and manufacturing organisations of pharmacy and the drug trade the following New Year greetings messages:—

Unity and Service . . . Setting an Example

From the PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

PHARMACY being non-sectarian and non-political and having contact with the people such as no other calling has, is afforded the opportunity, by unity and service, not only of justifying itself and its standing in the health service, but of setting an example to all who wish their country well. In the giving of this service, may all engaged in pharmacy enjoy health, happiness and prosperity.

*H. Clement Shaw,
President.*

Co-operation from Every Contractor

From the SCOTTISH DEPARTMENT, THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

At the end of each year we are apt to look back critically on the year that is finishing and to look forward hopefully to the year that is beginning. Scottish pharmacists began 1949 with the hope it would see them settling down to N.H.S. work, with the remuneration question settled. We are finishing with remuneration unsettled and a definite, but I think healthy, unrest amongst many of the craft in Scotland. Can we look forward hopefully to 1950? Yes, I am sure we can, but it will require greater co-operation from every contractor, combined with skill and determination on the part of the negotiators. No backward glance at 1949 would be complete without mention of the Pharmaceutical Society's Council Meeting in Edinburgh—the first in 110 years; everyone will, I am sure, agree that this is a step in the right direction and one we would expect to be repeated within a reasonable time. The British Pharmaceutical Conference is to be held in Glasgow in September, 1950, and I know every Scottish pharmacist will give it the fullest support and extend a cordial welcome to our visitors. To every pharmacist I wish A Guid New Year.

*C. W. Macfarlane,
Chairman.*

The Hand of Friendship

From the PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

As the ageing year totters painfully to its close and we await (with some apprehension) the birth of 1950, may I be privileged to extend the hand of friendship and greeting to all our pharmaceutical friends here at home, and to those in the South, in Britain and overseas. Kindest thoughts and best wishes from Northern Ireland. This is a popular season for stocktaking, so as we look back on the road we have travelled in 1949, let us thank God that He had brought us safely and successfully so far and putting our hands in His, pray He will give us grace and strength to tackle the unknown road ahead.

*Percy R. W. Shinner,
President.*

Beginning of a New Era

From the PHARMACEUTICAL SOCIETY OF IRELAND

It is with pleasure that I accept your invitation to send New Year's Greetings to Irish chemists at home and abroad, and to wish them every success in the coming year. The Pharmaceutical Society of Ireland attains its 75th year of existence in 1950; and it is fitting that this year should be celebrated by the introduction of the Society's new education scheme. It is the earnest hope of your Council and myself that 1950 will mark the beginning of a new era of professional and business advancement. On behalf of the Council and members of the Pharmaceutical Society of Ireland I extend cordial fraternal greetings to our colleagues in Great Britain and Northern Ireland.

*T. C. Scott,
President.*

Troublesome Problems

From the CHEMISTS' AND DRUGGISTS' SOCIETY OF IRELAND

I SEND a greeting of goodwill to all engaged in pharmacy throughout Great Britain, Eire and overseas. The year that is past has been one of widespread revolutionary changes; stability has not yet been established, and it is only by co-operation among all sections of the community, including the chemists, that this desirable state can possibly be achieved. This means that we must not pay undue attention to the more immediate issues af-

from the DRUG TRADE

fecting our personal welfare, but to see them rather in the perspective of the larger issues affecting the welfare of the community as a whole. I do know that recent events, and the immediate problems arising out of the National Health Service, have necessitated unremitting vigilance, and in dealing with these vexatious and troublesome problems we had a full-time job. Let us remember that we are only one section of the community harassed by difficulties arising out of the changes brought about in our way of living. I sincerely trust that the coming year may see—the only obvious solution—a fair deal for all.

*Fred Storey,
President.*

... A Subordinate Class of Assistants

From the WORSHIPFUL SOCIETY OF APOTHECIES OF LONDON

THE Worshipful Society of Apothecaries sends greetings and best wishes for the New Year to your readers and to members of all the many branches and ancillary sciences of the professions of medicine and pharmacy. The past year has been a memorable one. In it we have seen the completion of the first year of the working of the National Health Service. This great social legislation, it must be admitted, has worked out rather better than was anticipated. There remains, however, much in the way of reorganisation to be done before the Act can be said to be working economically and efficiently. A change to which we respectfully commend the attention of your readers is the question of the staffing of dispensary departments of hospitals throughout the country. It will be impossible to staff these dispensaries with highly qualified persons who have obtained degrees comparable with those of a University; the hospitals simply could not afford to employ them all, and the majority would have to seek employment in the retail trade and in other directions. Such people can well be in charge of dispensaries, but under them there will have to be a subordinate class of assistants who can carry out the routine work in the dispensaries. The Worshipful Society of Apothecaries is fully alive to this need which will quickly become acute and require immediate handling. In February 1949 the Society circularised 1,127 hos-

pitals to ascertain how many of these institutions ran their own dispensary departments. They received 739 replies showing that 347 hospitals employed assistants who had taken the diploma of the Apothecaries' Society. Of the 388 who did not reply it is probable that an even larger percentage of "Hall" assistants are employed. This, we suggest, is the certificate which could quite well be adopted and recognised with benefit to all concerned, providing an efficient and economical service to the public. In conclusion we wish all your readers health and fortune in the coming Year.

*Duncan C. L. Fitzwilliams,
Master.*

Much Remains to be Done

From the EXECUTIVE COUNCILS' ASSOCIATION (ENGLAND)

THE local Executive Councils have now completed a full year's work, and the Executive Councils' Association (England) has held its first conference. The report presented by the Management Committee makes it clear that considerable progress has been made in getting over the difficulties met with in launching the health service, but it is also evident that much remains to be done before it can be claimed that the service is working smoothly and meeting all the demands which may justifiably be made on it. There has been close co-operation between the professional and lay representatives on the Executive Councils and in sending a word of greeting to representatives of pharmacy and the drug trade and best wishes for the coming year, I should like to pay a tribute to the way in which the difficulties inherent in getting through the first year have been tackled by them with such goodwill and success.

*Noel E. Waterfield,
President.*

Improving Conditions . . . Extending Service

From the GUILD OF PUBLIC PHARMACISTS

THIS is the first opportunity I have had of sending a message to all hospital pharmacists and to members of the Guild of Public Pharmacists in particular and I want to make it an optimistic one. I believe that, despite the disappointments of 1949, the coming year will see that everyone will begin to reap the benefits of the

efforts that have been made and that there will be many further opportunities of improving our conditions and extending our service. That the efforts that have been made have not been as productive as one could wish is no fault of those who have acted as your representatives or of those who have loyally supported them. It is impossible for pharmacists to divorce themselves entirely from the economic position of the nation and results must be assessed in that light. Nevertheless, continued wholehearted support of the organisations representing pharmacy will, I am confident, in due time bring a just reward.

D. H. S. Cox,
President.

Unity of Thought and Purpose

From the NATIONAL ASSOCIATION OF WOMEN PHARMACISTS

It is with great pleasure that I send a New Year greeting to my fellow pharmacists. After nearly eighteen months' experience of the National Health Service we enter the year 1950 with many problems. Retail pharmacists are worried about the proposed shilling per prescription, hospital pharmacists are urgent in their efforts to have their salaries adjusted, and wholesalers are concerned about the effects of devaluation. It appears that the best way in which to approach these problems is not to ask "How does this affect me?" but "How does this affect all pharmacists?" There is a very pressing need for unity of thought and purpose among ourselves. As individuals, we can perhaps best help by giving our constant and sympathetic support to those few on whom will fall the arduous and vital duties of negotiation during the coming months. I wish you all good health and happiness in the New Year.

Edith F. Hayward,
President.

Greetings to World Pharmacy Students

From the BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION

At this season one tends to think of the new friends one has made in the past year who are distant in miles but close in spirit. Pharmacy students throughout the world have made many new friends of all nationalities by becoming bound into an International Pharmacy Students' Federation. We wish our friends abroad great success in 1950. To British pharmacy students the Executive of B.P.S.A. extend hearty good wishes for 1950. Pharmacy students of today will have to bear with many diffi-

culties in the future but if we remain united in observing the status of our profession our task will be lighter; also we can lay a stone to help international peace by considering our professional friends abroad. In such a way can pharmacists lead governments to the aim of "Peace on earth, goodwill to men."

Alistair M. Hamilton,
President.

. . . Greater Contribution to the Country's Economic Welfare . . .

From the ASSOCIATION OF BRITISH CHEMICAL MANUFACTURERS

On behalf of the members of the Association of British Chemical Manufacturers I send to all our friends at home and overseas greetings and good wishes for 1950. The chemical industry has continued to take a leading part in the nation's economic offensive and, in spite of difficulties it has not only increased its own exports but has supplied essential raw material to a great number of other export industries. We are all fully conscious, however, of the need for even greater productivity within the industry if we are to reap the full benefit of devaluation and the liberalisation of international trade, toward which so many efforts are now being directed. The completion of manufacturing facilities, now in course of construction, will enable the chemical industry to make an even greater contribution to the country's economic welfare by reducing the occasion for chemical imports from the dollar area and by increasing the volume of chemical exports.

H. Jephcott,
Chairman.

Service and Free Choice

From the PHOTOGRAPHIC DEALERS ASSOCIATION

In sending greetings and a message of goodwill to those engaged in one of the most fascinating industries which touches human experience in all its phases, may I plead for a higher appreciation of our service to the community during the years ahead. It has been said that printing is the "Art preservative of all the Arts," but it can justly be said that our work is the art preservative of all human activities, of beauty and of achievement in every sphere. There are influences at work which tend to restrict action and curb the scope of the individual. The subtlety of such influences can deprive men of their rights in such a way that the deprivation is not noticed until it is too late. I would there-

fore plead for alertness in striving to ensure for the individual business the freedom to operate so as to give service and free choice to all. May the New Year bring fresh hope that we may again "Look the whole world in the face and owe not any man."

*J. Lomax,
President.*

Co-operation in the Common Interest

From the NATIONAL PHARMACEUTICAL UNION
 IT is a pleasure to be privileged to send the season's greetings through the medium of THE CHEMIST AND DRUGGIST to all friends engaged in the drug trade—manufacturing, wholesale and retail—we are all interdependent. The year which is drawing to a close has been a difficult one from many causes, the dire need for national economic measures being the dominating factor. I trust that these difficulties in some measure will be solved during the coming year with the least volume of disturbance. To my fellow members of the National Pharmaceutical Union, while regretting some disappointments and sacrifices to which we have been subjected during recent months, I desire to express my appreciation of your loyalty and co-operation in the common interest. I further express the hope that any further economic measures that are contemplated may be solved in a manner that will not unduly disturb your happiness and prosperity during the coming year.

*Joseph Hearle,
Chairman.*

High Standard of Quality

From the CHEMISTS FEDERATION

In spite of continuing difficulties in all branches of the pharmaceutical industry, the Chemists Federation during 1949 has continued with its policy of voluntary agreement among its members in maintaining a high standard of quality and presentation of sound medicinal products and is doing everything possible to acquaint the public directly of the work undertaken by its members in ensuring that therapeutically sound medicaments are available through retail pharmacists. To all manufacturers, wholesalers and retailers who have given us their loyal support, the Council of the Chemists Federation send through me their very best thanks, and to all readers of THE CHEMIST AND DRUGGIST their sincere good wishes for a bright and prosperous New Year.

*P. H. Smith,
President.*

An Even Greater Degree of Collaboration

From the ASSOCIATION OF BRITISH PHARMACEUTICAL INDUSTRY

The beginning of the New Year and the new half-century marks for the members and friends of the Association of British Pharmaceutical Industry the starting point of a reconstituted organisation for industrial pharmacy in this country. The details of the arrangements by which both the home trade and export aspects of the industry have been brought within the scope of a single organisation have been announced elsewhere. Your kind invitation, however, to send out through your columns a New Year's message of greeting gives me a welcome opportunity, on behalf of this Association and all its members, not only to wish your readers well, but also to express our sincere conviction that the substantial measure of reorganisation undertaken by the pharmaceutical manufacturers and wholesalers will, in the progress of time, ensure a still further enhanced repute for British pharmacy both at home and abroad. This repute cannot rest upon the activity of any single organisation. It has been built up, and is being continually strengthened, by the unceasing co-operation of both professional and trade interests, embracing hospital, retail, academic and industrial aspects of pharmaceutical activity. We enter the New Year with a sincere hope that an even greater degree of collaboration between the different aspects of pharmacy will be secured. The operation of the National Health Service has clearly demonstrated, among other things, the unity of interest amongst us, and we must remember that in the eyes of those observers in other countries who are studying the progress of this service, the prestige of this industry depends to a very considerable extent upon the standards and efficiency of every branch of the pharmaceutical service of Great Britain.

*R. L. Taylor,
President.*

Disturbing Feature of the Year

From the PROPRIETARY ARTICLES TRADE ASSOCIATION

RETAIL chemists and members of the manufacturers' and wholesale sections of the P.A.T.A. must regard the recommendations of the Committee on Resale Price Maintenance and the Government's policy in relation thereto as an outstanding and disturbing feature of the past year. While

fully appreciating the threat to the collective system of price protection I trust that wiser and more statesmanlike counsels may yet prevail and that distributors and, in particular, retail chemists may not have to face the demoralising conditions which would undoubtedly follow suppression of the system of fair trading which has operated so beneficially, not only as regards the manufacturing and distributing trades but also the general public. P.A.T.A. members must realise their vulnerability to the price-cutting conditions which sooner or later would follow the implementation of the Committee's recommendations. I appeal with confidence to all P.A.T.A. members to do their utmost to support the Council in its endeavour to preserve the price maintenance system. It is in this hope, and with the full knowledge which, as a retail chemist, I have of the many difficulties and problems still to be faced, that I extend to the members of all sections of the P.A.T.A. my sincere wishes for a prosperous New Year.

S. W. Hague,
President.

The Best Year in Our History

From the SCOTTISH PHARMACEUTICAL FEDERATION

I HAVE much pleasure in sending best wishes for a happy and prosperous New Year to all my fellow pharmacists. 1949 has certainly been a trying year for most of us, but I have great hopes for the future of pharmacy. Now that pharmacists throughout the country are doing all the professional work they have been striving to obtain for years, I feel sure better feeling has been engendered throughout the profession and, if only the pricing arrangements for N.H.S. prescriptions were stabilised, most of our worries would disappear. So, here's hoping that 1950 will be the best year in our history.

W. Spence Culbert,
President.

A Much Firmer Policy

From the ULSTER CHEMISTS' ASSOCIATION

GREETINGS and best wishes to all pharmacists at home and abroad, and especially to members and associates of the Ulster Chemists' Association. We in Northern Ireland have had a busy but difficult year owing to unsettled conditions, which leaves the immediate outlook by no means attractive. The National Health Service scheme requires in the future much thought on the

part of those who conduct negotiations on behalf of pharmacy. We have given good service to the public and co-operated with the Ministry, and therefore a much firmer policy should be adopted for the welfare of our profession. There is a steady confidence that present difficulties will be overcome in 1950, so with support from all sections of pharmacy, showing enterprise and initiative, let us hope we will find true prosperity and that the coming year will see the turning of the tide.

John Caldwell,
President.

A New Year Resolution

From the IRISH DRUG ASSOCIATION

In wishing all our members a happy and prosperous New Year, I am glad that, as our Association is almost a hundred per cent., this means a message to almost every chemist in business in Ireland. The year just ended has seen many important additions to the approved list and the loyal support of members has been of great assistance to the committee in negotiations with manufacturers and wholesalers. May I ask for a New Year resolution from our members and that is to give that extra support, which means so much, to the products whose sale is confined to us and thus prove that the goodwill of the chemist and his prestige in the community are the important factors in the successful marketing of medicinal, toilet and allied products.

John J. Roche,
President.

Less Restrictive Trading Conditions

From the PROPRIETARY ASSOCIATION OF GREAT BRITAIN

We are particularly grateful for the opportunity of sending cordial seasonal greetings to all those associated with us in the pharmaceutical trade, at home and overseas, and to all our friends we wish a New Year full of hope and continued prosperity. Despite the impediment of the numerous difficulties with which we have had to contend during the past year, we have experienced greater satisfaction in the re-establishment and development of trade relationship than has been possible in other post-war years. Our export trade is still of great importance in the interests of national economy, and a wide range of British proprietaries is now available to countless customers throughout the world. We trust that the New Year may witness

more harmonious and less restrictive trading conditions, and that the mutual spirit of co-operation which has been evinced in previous years will enable us to overcome any problems which may arise.

F. A. S. Gwatin,
Chairman.

Public Becoming More Discriminating

From the BRITISH BRUSH MANUFACTURERS' ASSOCIATION

ONCE again it is my privilege and pleasure to send a New Year's greeting to all chemists and druggists. Throughout 1949 I have been in close contact with the brush manufacturers who make the attractive and useful brushes displayed so well in your many retail establishments. Attractive design is always in the forefront of their production programme but this is never allowed to prejudice efficiency in use. A great deal of thought, research and highly skilled labour goes into brushes and we feel that the discriminating public is becoming more conscious of these facts. On behalf of all brush manufacturers I have the greatest pleasure in sending you truly good wishes for 1950.

Davis Burrow,
President.

Enterprise and Initiative of the Merchant

From the BRITISH CHEMICAL AND DYESTUFFS TRADERS' ASSOCIATION

It is indeed a great pleasure as the new President to extend the season's greetings to members of The British Chemical & Dyestuffs Traders' Association and to all other friends in the chemical industry. Events during the past six months have shown how vital it is that every effort must continue to be made by all sections of the trading community in order that we survive the economic blizzard that threatens to further lower the standard of living in this country. The chemical merchant has already furnished abundant proof of his ability to develop export trade in face of many difficulties and frustrations and I am confident that he will continue to put forth every endeavour to illustrate the value of enterprise and initiative in the recovery and further expansion of trade in overseas markets. A number of official controls have either been lifted or eased and I sincerely hope that further measures of freedom may be introduced in the forthcoming months and thus give added impetus to the efforts of all concerned in

our economic survival. With good wishes for the coming year.

G. S. Bache,
President.

Many Anomalies to be Settled

From the ASSOCIATION OF SCIENTIFIC WORKERS

The Association of Scientific Workers sends cordial greetings to all pharmacists. In particular, it draws attention to the problems of employee-pharmacists in all spheres of work. The recent negotiations on the Functional Council leave many anomalies to be settled and a new drive must be made to advance the interests of hospital pharmacists. Retail employee-pharmacists have yet to achieve a national agreement consolidating their present salaries into properly constituted and recognised scales. The Association has no illusions about the complexity of these problems but is confident that these difficulties can be met and overcome. In sending New Year greetings, the Association invites all employee-pharmacists to assist in the fight for a higher professional status.

J. W. Hadgraft,
Chairman, London Pharmacists' Branch.

Continuation of Happy Relationships

From the CHEMICAL WORKERS' UNION

The Chemical Workers' Union sends greetings and best wishes for the coming year to all those engaged in the manufacture, wholesaling and retailing of drugs and fine chemicals. 1949 has been a year of harmony as far as the relations between the members of the C.W.U. and the managements of the industry are concerned, and it is our fervent hope that 1950 will show a continuation of these happy relationships so that full opportunity can be taken of expanding production and trade, which, despite unsettled world conditions, should present itself in 1950. We are confident that whilst the immediate future may present difficulties, the long-term prospective is the development of a new era of unprecedented prosperity and opportunity.

Bob Edwards,
General Secretary.

The Editor and members of the Editorial Staff acknowledge with sincere thanks the many Christmas and New Year greeting messages received from all sections of the pharmaceutical and drug trades, at home and overseas, and heartily reciprocate the sentiments expressed. May 1950 be a year of Peace and Progress.

SCIENTIFIC ASPECTS OF 1949

A review of some of the year's scientific and technical events

OUTSTANDING in importance among the many notable advances seen in the scientific and technical field during 1949 was the work reported by Hench, Kendall and their colleagues at the Mayo Clinic, U.S.A., on compound E (Cortisone). The significance of this hormone as commentators have pointed out is not merely that it produces "amazing results" in diseases such as arthritis, but that its action is closely related to important immunity reactions of the body. It seems probable that the secretion of the hormone is the body's defence mechanism against arthritis, and that failure of the mechanism may also produce asthma, hay fever, migraine, fatigue and mental disorders. The fact that compound E has a common chemical nucleus with sex hormones and certain highly carcinogenic substances, as Sir Henry Cohen has said, indicates the possible significance of the hormone in the problem of new growths in the body. Research work on the synthesising of the compound or simpler compounds with similar effects is being pursued in this country at many institutions, and Sir Robert Robinson, P.R.S., has made a plea for the international organisation of a "supreme effort" similar to that in the penicillin field during the war.

Commercial Synthesis of Thyroxine

Other new work in the chemical field (and it is perhaps significant of the times that this field has yielded many advances) includes the elaboration of a commercial synthesis of *l*-thyroxine by workers at Greenford. The work which has been widely acclaimed stemmed from war-time research on the synthesis of amino acids used in growth media. Besides helping to make Britain independent of imported thyroid gland, this newly available product will help doctors to give accurate dosage of the thyroid hormone. A number of new synthetic antihistamines have been marketed during the year, and this growing and important branch of compounds was described in a lecture to the Fine Chemicals Group of the Society of Chemical Industry (a group now in its second year). 1949 saw the first synthesis of an antibiotic—chloramphenicol—in America and synthesis later commenced in Britain. In America vitamin A was synthesised using a method that is based on

work done by Sir Ian Heilbron in 1936. Anæmia patients are no longer wholly dependent on liver for supplies of vitamin B₁₂ (a factor discovered almost simultaneously by workers in Great Britain and America in 1948) following the isolation of the vitamin from a strain of *Streptomyces*, and the commencement of a commercial production of the vitamin in Britain by a deep fermentation process (a process used for preparing antibiotics).

Attention Turned to Viruses

Attention has been turned to viruses during the year by the discovery that certain of them yield to treatment with antibiotics such as chloramphenicol and aureomycin—an observation that gives hope of a more general chemotherapeutic control of viruses. Gye and colleagues published important work on the function of viral agents in the transmission of mouse cancer, while Dr. C. H. Andrewes, F.R.S., in a series of three articles published in the *C. & D.*, reviewed for pharmacists the nature of viruses, and their significance as disease-causing agents.

Chloramphenicol and aureomycin became available for dispensing, but because of their scarcity, the distribution was limited to Regional Hospital Board Centres and for use for certain specified diseases. As production of streptomycin increased during the year, and sufficient tests had been conducted to assess the usefulness and limitations of the drug, the antibiotic became available on prescription on November 1. In the continuing fight against tuberculosis the discovery of neomycin, an antibiotic showing activity against streptomycin-resistant strains of *Mycobacterium tuberculosis*, was reported. Some 1,200 delegates representing many interests from the Empire and other countries met in London in July to discuss the problem of tuberculosis, while during the year the Ministry of Health introduced its plan for the controlled trials of B.C.G. vaccine as a measure against the disease.

The bicentenary of the birth of Edward Jenner focused attention on the continuing use of vaccine lymph (1½ million doses being issued annually, for example, by the Lister Institute for the Ministry of Health) against smallpox. Other anniversaries celebrated during the year were the Royal Institution's hundred and fiftieth, the 200th

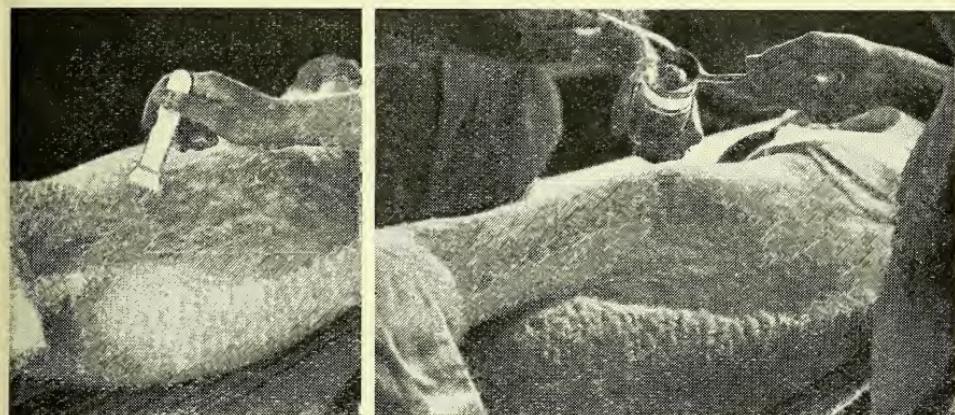
of the birth of Goethe (who corresponded with and wrote an appreciation in verse of Mr. Luke Howard, F.R.S., and who had learnt the use of the blowpipe in examining ores from Berzelius); and the ninetieth of THE CHEMIST AND DRUGGIST.

Seaweed Resources

At the 112th annual meeting of the British Association for the Advancement of Science held at Newcastle-on-Tyne, Professor Lily Newton in a presidential address to the Botany Section reviewed the field and industrial work that had been done towards exploiting British red sea-

mended during the year were propylene and methyl-n-propyl ether.

Following the introduction of a new British Pharmacopœia in 1948 the course of day to day pharmacy was finally set for the next few years by the introduction of the National Formulary, 1949 (which provides a wider selection of formulas than the formulary it replaces) and the British Pharmaceutical Codex, 1949. This standard is notable for the division of its contents into seven sections, one of them dealing entirely with preparations of human blood. The British Pharmaceutical Conference centred interest on storage, and



AFTER EDWARD JENNER (born 1749). Processes in the preparation of vaccine lymph at the Lister Institute, Elstree, Herts. Left: Scarifying the flank of a sheep. Right: Collecting the pulp.

weeds for the production of an "excellent" agar. The value of other seaweeds (*Laminaria spp.*) for the production of alginates, and some of the surgical and medicinal products of alginates and their uses were reviewed in the *C. & D.*

Plant growth regulators (also reviewed in the *C. & D.*) were discussed by the Fine Chemicals Group of the Society of Chemical Industry. The compounds were featured as counter sales products at the second post-war Chemists' Exhibition.

Among the new exhibits shown at the Medical Exhibition, 1949, was an inhalation apparatus designed to give a constant concentration of trichlorethylene under widely different conditions. Efforts towards elaborating a method of producing anaesthesia that can be used by midwives were stimulated during the year by discussion in Parliament and the setting up of a committee of the Medical Research Council for the purpose. Among the inhalation compounds for anaesthesia recom-

during the year a transparent material for packaging and storage, rubber hydrochloride, went into production in Britain. Further information from the Chemical Laboratories, Teddington, was published on the use of sodium benzoate as a rust preventive, and the product was shown for this purpose at the British Industries Fair.

Radiochemical Centre Completed

The Government Radiochemical Centre, Amersham, where radioactive isotopes are dispensed for medical and industrial purposes, was completed and thrown open to the Press during the Spring. Professor F. A. Paneth, F.R.S., in two university lectures given at the Pharmaceutical Society's building, reviewed the use of isotopes in biological research. Their use in chemistry was discussed at the 108th anniversary meeting of the Chemical Society, attended by scientific workers from Britain, America and Europe. The first synchrotron to be used for medical

work commenced operating at the Royal Cancer Hospital, London.

In the sphere of tropical medicine Cyprus was declared free from malaria-carrying mosquitoes, as the result of intensive eradication measures, while insecticidal measures in New Guinea reached a stage where 90 per cent. of the population received protection. The pre-erythrocytic stage of *Plasmodium falciparum*, the causal agent of malignant tertian malaria in man, was demonstrated in the human liver by Shortt and colleagues, with the heroic help of a volunteer. World Health Organisation plans for controlling and eventually eradicating plague were put into operation in certain areas. In veterinary tropical medicine a new trypanocide was introduced. Other developments in the veterinary field include the demonstration by workers at the National Institute for Research in Dairying, Reading, that nisin, an antibiotic produced by *Streptococcus lactis*, is effective against bovine mastitis.

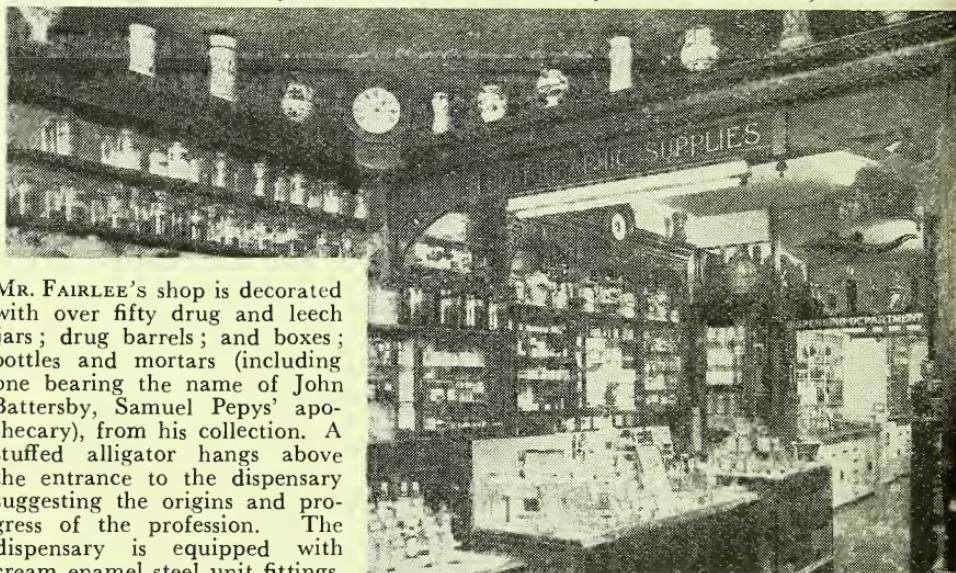
In international activities London was

privileged to receive the fourteenth International Veterinary Conference, which, because of the world shortage of food, was devoted to the conditions of food animals. Other international scientific conferences held in 1949 were the first International Congress of Biochemistry, in Cambridge, England, and the International Federation of Pharmacy at Amsterdam. New international standards were approved by the W.H.O. for vitamin D₃, vitamin A acetate, streptomycin, and A and B blood groups. The Organisation's Expert Committee on the Unification of Pharmacopœias completed work on the first international pharmacopœia, and gave notice of that standard's forthcoming publication. An international research exchange, the first of its kind in the world, was opened in London.

As we go to press, news has been received of a new theory put forward by Dr. Albert Einstein. In so far as this will extend knowledge of the nature of matter it will eventually modify conceptions of biology, and methods of treating disease.

THE PROFESSION IN PRACTICE

6.—The Pharmacy of Mr. A. J. Fairlee, Lavender Hill, London



MR. FAIRLEE'S shop is decorated with over fifty drug and leech jars; drug barrels; and boxes; bottles and mortars (including one bearing the name of John Battersby, Samuel Pepys' apothecary), from his collection. A stuffed alligator hangs above the entrance to the dispensary suggesting the origins and progress of the profession. The dispensary is equipped with cream enamel steel unit fittings, stainless steel sinks, adjustable oak shelves, teak counters, autoclaves, etc., and oblong bottles with distinctive yellow hand-written labels. Four pharmacists, an Apothecaries' Hall dispenser and four unqualified assistants are employed at the pharmacy. Mr. Fairlee displays mostly his

own packed goods (the packing room being above the shop), writes his own showcards, destroying them when once used, and has adopted the picture of one of his drug jars as his trade mark. He has provided adequate seating for patients.

PHARMACEUTICAL SOCIETY OF IRELAND

THE December Council meeting of the Pharmaceutical Society of Ireland was held on December 13, Mr. T. C. Scott (president) in the chair. Also present were Messrs. J. Gleeson (treasurer), P. C. Cahill, G. C. O'Neill, H. P. Corrigan, J. J. Roche, M. Power, T. B. O'Sullivan, P. A. Brady, Senator F. Loughman, P. F. McGrath, C. J. Cremen, M. Costello, P. Fullam, A. A. Toher, P. Brooke-Kelly and J. A. O'Rourke. Apologies were received from the vice-president (Mr. J. P. Kissane) and Messrs. R. Daly, C. D. O'Shea and N. A. McKane.

Presentation of Badge

THE PRESIDENT presented the immediate past-president (Mr. Brady) with a replica of the presidential badge. THE PRESIDENT said he hoped that Mr. Brady would be able to use it for many years to come. MR. BRADY replied that he would always treasure the memento of two happy years in the chair. He had always considered it his greatest privilege to fill that highest office in their profession. A communication was received from *La Nationale Pharmaceutique*, Belgium, about that organisation's work.

The following changes of address were notified: Miss Mary A. Lynch, M.P.S.I., to Lifford, co. Donegal; Miss Catherine Spillane, M.P.S.I., to Artane, Dublin; Miss Ellen Spillane, L.P.S.I., to Artane, Dublin; John J. Byrnes, L.P.S.I., to 3 Hatch Place, Dublin; Augustine S. Gleeson, L.P.S.I., to Birr, Offaly; John Gleeson, L.P.S.I., to Birr, Offaly; Thos. A. Long, L.P.S.I., to 61 Ashfield Road, Ranelagh, Dublin; James McMenamin, M.P.S.I., to Main Street, Killeshandra, co. Cavan; J. J. Natin, M.P.S.I., to Knockillaree, Oughterard, co. Galway; Francis O'Brien, M.P.S.I., to 25 St. Christopher's Road, Montenotte Park, Cork; Cornelius J. O'Leary, M.P.S.I., to Lisieux, Glasheen Road, Cork; Patrick R. Tedders, L.P.S.I., to Edenderry, Offaly; William F. Young, L.P.S.I., to Mountbellew, co. Galway.

THE REGISTRAR (Mr. James G. Coleman) reported that Preliminary Registrations had been made in respect of the following: Mary Behane, Mary Brogan, Norah C. Boland, Joseph A. Burke, John A. Cahill, Richard J. Cogan, Margaret M. A. Coyle, Eamonn P. Foley, Michael J. Foley, Julianna C. Flood, Gerald Gallagher, Marie T. P. Gill, Catherine C. Gil-

martin, John J. Joyce, Maurice A. Keegan, Mary T. Kelly, Kevin Kenny, Arthur Kennedy, Luke A. Kiernan, Thomas M. Langan, Dolores P. McCormack, Rita MacFadden, Noel P. J. McManus, Patrick MacManus, Constantine C. Maguire, Anne B. Manning, Philomena M. T. Martin, Matthew Murphy, Colman A. O'Flynn, James D. O'Riordan, Patrick J. Quinn, Jeremiah M. O'Regan, Patrick C. Singleton, Anne M. C. Tierney, Joseph P. Twiggs and Johanna C. Walsh.

The Department of Justice approved the appointment of Mr. Richard F. Timoney as temporary examiner in botany and materia medica. Arising out of the recent reply to a question in the Dail in which the Minister for Health had forecast the revision of the poisons laws, the Mayo Pharmaceutical Association had written urging the Council to take prompt action to ensure that the sale of all poisons was confined to chemists. The Council agreed and decided to take action when the occasion arose. The reports of the House, Law, and Schools Committees were approved.

Reciprocal Agreement

A letter from the registrar of the Pharmacy Board of Victoria quoted an inquiry from a Victoria pharmacist as to reciprocity of qualifications between the two countries. After some discussion it was agreed, on the suggestion of Mr. O'Rourke, to intimate that the Society desired to maintain the cordial relations that had existed between the two bodies and to furnish a copy of their reciprocal agreement, as the matter of reciprocity was one of particular interest to the Society.

The examiners to the Pre-registration examination held in November reported that forty-one out of the fifty-four candidates had been successful, the high standard having been maintained.

THE REGISTRAR reported on the deaths of Messrs. Arthur F. Collins, M.P.S.I., Martin Joseph Harty, M.P.S.I., and Thomas Farrar, L.P.S.I. On the motion of the president, the Council passed in silence a resolution expressing deep sympathy with the relatives of the late Mr. A. F. Collins. Dr. Vincent C. Barry and Dr. J. C. Dowling were re-elected examiners in chemistry and pharmacy respectively. Mr. David Roice, M.P.S.I., Gorey, co. Wexford, was elected examiner to the Assistants' examination.

THE MARKETS IN 1949

Home-produced fine chemicals replacing imported materials and so saving dollars. Sellers' market waning. Entrepôt trade in crude drugs still beset with obstacles. Those were the features of 1949

THE early months of 1949 saw a progressive easing in the supply position of many pharmaceutical and fine chemicals and there was a growing awareness that the peak of post-war demand had been passed. Exports were maintained, and were even exceeding expectations. Home markets, too, were active, but there were signs that the sellers' market was in its final phase.

With costs of argols lower, manufacturers were seeing their way to reduce prices of cream of tartar and tartaric acid, Rochelle salt and seidlitz powder. Following an increase in production a small reduction was made in synthetic camphor. Calciferol was cheaper. An improvement was recorded in the supply of British produced ichthammol, which was expected to leave a surplus for export after satisfying the home demand. Amidopyrin, which had been difficult for some time, was in better supply, with further imports of French material coming in. Salicylic acid and salicylates were also more plentiful. On the other hand santonin, which was in good export inquiry, was short (owing to lack of raw material) and the scarcity continued throughout the year. Salicin was difficult, and orders had to be drastically scaled down. Mercurials advanced in price, reflecting a rise in metal at the close of 1948. Prices of benzocaine increased substantially.

Spices Firm

January in Mincing Lane saw a shortage of capsicums and chillies, following a good export trade in spices, and the prices were firm. A good demand was being received from the Anglo-American bizonal of Germany for a wide range of drugs, and in some instances the requirements were for very large quantities. A steady call for menthol was forthcoming from India and Scandinavian countries. Sound Portuguese ergot was selling at about 5s. 3d. per lb., and shippers were quoting as low as 4s. 1od., c.i.f. Good quality Chinese rhubarb could be bought during the opening month at 4s. 9d., but subsequently the standard of deliveries became, on the whole, disappointing. A good export trade was being done in gum acacia. Prices of

senega had been low for some time and the decline continued with inquiry lacking. The Supplies Division of the Ministry of Health was prepared to recommend the granting of licences to import Matto Grosso ipecacuanha for use in galenicals, but in view of the high prices quoted by shippers (25s., c.i.f.) and the preference for Nicaraguan root, little, if any, supplies were brought in. There were reports of firmer markets at origin for African ginger and Zanzibar cloves. The upward movement in prices of the former continued throughout the year as a result of increased world demand and shortages of Cochin. The West Indian ginger crop was also below average. Advances that occurred in cloves were largely due to outbreaks of "sudden death," which cut down output in the Zanzibar Protectorate. High prices in India for cardamoms provided little inducement to import, and supplies on the spot were low. Cinnamon, however, eased to some extent with the establishment by the Ceylon Government of a free market. Holders of cascara sagrada were anxious to make headway, and the prices began to drop. The spot market for agar was inclined to weaken.

During March, menthol gained strength on the spot; Brazilian shippers asked for an extension of shipment dates, as it was thought that the drought in the producing areas would mean a later mint crop. Poor yields were also reported of Tinnevelly sennas, in both the monsoon and "dry" crops, and it was anticipated that the primary market would strengthen, a view that was later found to be correct.

Interest in essential and fixed oils during the early months of the year was inconsiderable. Bearish activity in Java citronella oil depressed prices, though subsequently supplies on the spot became difficult to find and the market strengthened; stocks of Ceylon citronella were also low. There were few offerings of patchouli from Singapore, and much of the "Malayan" oil then being offered was distilled from leaves grown in Sumatra (and therefore subject to duty). In several other directions firmer primary markets were noted, despite the low level of spot demand. Grasse was asking high prices

for lavender oils, and no importations were made. It was hoped that the Essential Oils Control would remove lemon and bergamot from the distribution scheme, but the likelihood was small as the stocks held by the Ministry of Food were substantial. In all, eleven oils remained under control at the beginning of the year—mostly from hard-currency origins. The exception to the general firmness was eucalyptus—a weak market with little demand (our U.S. correspondent's reports showed that American demand for eucalyptus was also small). A more favourable exchange rate for the Spanish peseta influenced values of cade, spike lavender and rosemary oils. Increased imports of olive oil were recorded. In the first three months of the year 62,199 cwt. of refined olive oil was brought in, valued at £831,288, against only 2,702 cwt. (valued at £46,418) in the corresponding period of 1948. Cheap offers were also made of imported sweet almond oil, but demand was lacking. Prices of castor and linseed oils were reduced. A reduction in producers' prices was responsible for cheaper resin, turpentine and pine oil.

The Second Quarter

On April 4, the first of the two reductions during the year in the prices of penicillin was announced; the yellow variety was reduced by 8.8 per cent. of its former price, and crystalline penicillin was cut by 29.4 per cent. At about the same time a decrease came about in the prices of caffeine and theobromine. Dextrose and powdered glucose, on the other hand, advanced by threepence per lb., and shortly afterwards calcium gluconate was increased in price. In late April makers announced lower prices for bromides. The allocation system for borax and boric acid lapsed, and makers reduced their prices for commercial grades, leaving pharmaceutical quality unchanged. On May 2 the principal bismuth salts were reduced by twopence per lb., and lower prices of potassium permanganate were announced by the maker; the allocation system for that chemical was discontinued. Substantial reductions in zinc oxide followed cuts in Ministry of Supply bulk-selling prices for non-ferrous metals. At the end of May a decrease of 10s. per cwt. in rates for tartaric acid was announced. Alcohol and allied products reverted to private trade on June 1. Distillers of alcohol reduced prices and, as a result, ether became cheaper.

Exports during the second quarter were well maintained—in May, manufactured

medicines exported reached a peak total of £1,790,990. India was the principal buyer followed by other Commonwealth countries. An Anglo-Egyptian financial agreement brought about an expansion of trade with Egypt, and in other directions the chemical trade had little to complain of in the various bilateral trade agreements that were concluded.

Meanwhile, there were signs in the crude drugs markets of an increase in export inquiry, though home trade continued rather slow. Ergot was in fair inquiry, but Portugal was holding out for high prices and, as the quality of offerings was inferior, there was a tendency to delay buying until new crop material was available. Senega remained a weak market. The rhubarb offered was disappointing in quality, and the uncertainty of obtaining supplies, owing to the civil war in China, led to firmer conditions. Honey, principally Australian, was in plentiful supply, although there were small lots from Chile. Menthol advanced in price and the outlook for the product was uncertain, with few offers from Brazil. The price of Tinnevelly senna in India was higher than the then current level of spot values; an increase in freight charges from India was reflected later in quotations for all drugs from that source. Supplies of cascara sagrada were plentiful, and holders were anxious to make headway as prices on the other side were at a lower level; when new-crop bark first became available (at the equivalent of 140s. per cwt., c.i.f.) little business was reported.

Supplies of Oils

In essential oils, English-distilled ginger oils were firmer, owing to rising costs of raw material. The Ministry of Food authorised the Essential Oils Control to purchase a limited amount of peppermint oil (*M. piperita*) from the U.S.A. to be used for pharmaceutical purposes or for use in products to be exported; a quantity of Brazil peppermint oil (and menthol) was included in the manifest of the S.S. "Magdalena" which foundered on April 25. Chinese star anise oil was dearer, reflecting a firmer primary market, while Bourbon geranium advanced in price. Spot values of West Indian lime oil moved up with a shortage on the spot and at origin. Lemongrass was a firmer market. Olive oil continued in plentiful supply; restrictions on its sale were removed by the Ministry of Food, and from April 20 an open general import licence was granted by the

Board of Trade for teaseed oil consigned from China and Hong Kong. In the following month reduced rates were announced for linseed and castor oils. With supplies of cod-liver oil more plentiful, the Ministry of Food revoked its order under which licences had been required for manufacture of the oil.

Opiates Prices Raised

Since the previous adjustment in prices in 1946, makers of opiates had experienced a gradual increase in the cost of raw opium, and early in July new higher rates were announced for those products. Zinc oxide and calamine fluctuated with the cost of metal. A small reduction occurred in DDT. After the August bank holiday, bismuth salts were down in price, following a reduction in metal. Activity in botanical drugs during the summer months was, prior to devaluation, at a relatively low level although there was no disposition among dealers to lower their prices for spot goods. A growing inquiry on the spot for drugs of transatlantic origin was noted, but holders declined to accept bids and little business was done. Spices were firmer, with supplies difficult. It was thought that Chinese drugs would increase in price in the event of any appreciable demand. The Board of Trade was restricting the issue of import licences for Nicaraguan and Colombian ipecacuanha, while there were few offers of Brazilian root. Shippers were reporting that the senega collection had been small. Gum acacia was dearer in the Sudan market owing to drought, while reports from Persia indicated that the tragacanth crop would be lower than average. Firmer markets were noted for Ceylon and Java citronella, lemongrass, lime and Bourbon geranium oils. There were few forward offers of Chinese star anise which was dearer on the spot. Owing to an increase in the cost of the raw material, English-distilled clove oil advanced in price. New-crop French lavender oil was quoted dearer. There were reductions in the controlled prices of castor and linseed oils.

Effects of Devaluation

Although devaluation of sterling in terms of the American dollar had been expected for some months, the extent of the fall of the £ which occurred came as a surprise. The markets temporarily were in a state of confusion, particularly when it was learned that certain countries were maintaining their currencies at former parities

with the dollar while others were devaluating to less than the full 30.5 per cent. It was evident that, with increases in the costs of iodine, bismuth, mercury, silver, zinc and other non-ferrous metals, higher prices for their salts and derivatives would soon follow. Borax and boric acid were also dearer. When existing raw materials were used up, replacements from dollar sources brought about rises in a number of others, including acetic acid and, later, sulphur. Emetine was also dearer because of increased costs of Brazilian ipecacuanha, and soon the advance in the cost of West African cocoa (an indirect result of devaluation) caused makers to put up prices for caffeine and theobromine. Adrenaline and thymol were also dearer. Rates for opiates were withdrawn, in anticipation of an increase, owing to higher costs of Persian and Turkish opium, but this did not materialise before the year ended. Quinidine was also dearer, but no increase was made in the rates for quinine salts. Dearer jaborandi leaves obliged makers of pilocarpine to raise their prices. Sulphaguanidine and sulphanilamide were firmer markets. Other fine chemicals that increased in price during the last few weeks of the year included phenolphthalein and acetanilide, the latter because of the higher cost of Canadian acetic anhydride. On the other hand, a second reduction occurred on October 3 in prices of penicillin, amounting to 9.7 per cent. of the former price in the yellow and 31.25 per cent. in the crystalline penicillin.

A Dollar-saving Industry

Increased demand was received for British pharmaceutical products from South America as a result of an enhanced exchange rate. There was no appreciable rise in exports to the United States and Canada, nor was such a rise expected for most sections of the industry. However, the chemical industry as a whole continued to supply to other exporting industries increasing quantities of raw materials formerly imported from dollar sources, thus conserving dollars.

In the London market for crude drugs the situation brought about by devaluation was if anything more complicated. Many articles were marked up temporarily as a precautionary measure. Spot stocks of drugs from the Western hemisphere were increased to replacement level, in some instances 144 per cent. of their former price. The market for ipecacuanha hardened as a result of restrictions in the

granting of import licences for Nicaraguan and Colombian material; later spot supplies were at a minimum.

Crude drugs and essential oils had been included in a large range of commodities put on open general import licence when imported from countries "where no loss of gold or dollars would be involved"; but as no great difficulty had been experienced in obtaining import licences for drugs, etc., from soft-currency areas, the licensing relaxation did not alter the position to any great extent.

Balsam tolu was very scarce towards the end of the year; reports from origin indicated that the crop had been a failure and that all supplies had been disposed of to U.S. buyers. Pepper, ginger and cardamoms were also short and commanding very high prices. Sandarac was in good inquiry towards the close of the year but, as a result of the Moroccan authorities' decision to suspend collection as a conservation measure, no supplies were available. Stocks of cascara sagrada were at a minimum. Chinese rhubarb was scarce in the London market and the small supplies available were of inferior quality and at high prices; there were no shipment offers owing to the civil war in China. Formosan camphor, however, was easier at origin (the synthetic product was dearer owing to the cost of turpentine). Prices of Brazilian menthol were higher following devaluation, but in December supplies of Chinese menthol crystals were coming in and this, together with a falling-off in the volume of inquiry, caused slightly easier conditions in the market. White agar strip (Kobé No. 1) was short on the spot and licences were being granted for the importation of limited supplies. It was thought, however, that the trade agreement with Japan might include agar; prices at origin had been falling for some months. Sumatra benzoin was a firm market and good quality material was short on the spot market.

The last quarter of the year saw rather quiet conditions in essential oils, and prices were higher for a large number, among which were Chinese star anise and cassia, Singapore patchouli, Ceylon and Java citronella, Bourbon geranium, lemongrass, imported and English-distilled clove oils, Spanish cade, rosemary and spike lavender and Australian eucalyptus oils. A number of oils, including peppermint and bergamot, were removed from the distribution scheme, but licences were still necessary to import from hard-currency countries.

OPENING AND CLOSING PRICES

COMMODITY	JANUARY 1949	DECEMBER 1949
Agar, strip, per lb. ...	16s. 6d.	16s.
Aloes, Cape, per cwt. ...	110s.	117s. 6d.
Areca nuts, per cwt. ...	65s.	57s. 6d.
Balsams: Canada, per lb.	19s.	14s. 9d.
Copaiba, per lb.	4s.	8s.
Peru, per lb.	5s.	6s. 3d.
Tolu, per lb.	14s.	17s. 6d.
Belladonna root, per lb.	4s.	4s. 3d.
Benzoin, Sumatra block, per cwt.	£16	£19
Buchu, short rounds, per lb.	4s.	3s. 5d.
Calumba root, natural, per cwt.	77s. 6d.	75s.
Camphor, Chinese, $\frac{1}{4}$ -oz. tablets, per lb. ...	8s.	6s. 6d.
Camphor, refined powder	6s. 9d.	5s. 6d.
Cantharides, Chinese, per lb.	8s. 3d.	6s. 6d.
Cascara sagrada, per cwt.	200s.	280s.
1947 peel ...	—	—
1948 peel ...	190s.	275s.
Current crop ...	—	—
Chamomiles, Belgian, per lb.	4s.	3s. 4d.
Cloves, per lb. 1s. 5d.
Zanzibar 2s.	... 3s. 6d.
Cinnamon, Ceylon, OOOO, per lb. ...	2s. 9d.	3s. 6d.
Colchicum corm, Jugoslav, per lb. ...	6s.	6s.
Dragons blood, No. 1 per cwt.	£65	£60
Ergot, Portuguese, per lb.	5s. 3d.	24s.
Gentian, French, per lb.	57s. 6d.	70s.
Ginger, African, per cwt.	87s. 6d.	350s.
Jamaican, No. 3, per cwt.	122s. 6d.	355s.
Gum acacia, Kordofan sorts, per cwt. ...	64s.	88s.
Ipecacuanha, Nicaraguan, per lb.	23s. 6d.	42s. 6d.
Liquorice root, Anatolian natural, per cwt. ...	47s.	55s.
Mace, W.I., blade, per lb.	6s. 9d.	6s.
Menthol, Brazil, per lb.	44s.	82s. 6d.
Myrrh, Aden sorts, per cwt.	£12	£12
Nux vomica, Cochin, per cwt.	42s. 6d.	36s.
Orris, Florentine, per cwt.	125s.	130s.
Papain, E. African, per lb.	18s.	14s. 6d.
Pimento, per lb. ...	1s. 2d.	1s. 4d.
Quassia, chips, per cwt.	35s.	35s.
Quince seeds, Cape, per lb.	4s. 3d.	3s. 6d.
Rhubarb, Chinese, common round, per lb. ...	4s. 9d.	—
Seeds: Anise, Cyprus, per lb.	4s. 9d.	—
Caraway, Dutch, per cwt.	1s. 4d.	—
Celery, Indian, per lb.	122s. 6d.	112s. 6d.
Coriander, Argentine, per cwt. ...	1s. 2d.	1s. 5d.
Senega, per lb. ...	38s.	75s.
Tragacanth, selected ribbon, per cwt. ...	8s. 3d.	10s. 6d.
Waxes: Bees, Dar-es-Salaam, per cwt.	£90	£115
Candelilla, per cwt.	335s.	370s.
Carnauba, fatty grey, per cwt. ...	407s. 6d.	435s.
	470s.	665s.

TRADE MARKS

(From the "Trade Marks Journal," December 14, 1949)

For synthetic resins (1).—"SANTOLITE"; by Monsanto Chemical Co., St. Louis; 650,665.

For industrial chemicals (1).—"ROCCAL"; by Bayer Products, Ltd., London, W.C.2; 680,770. Shield device including letters and abbreviation "T. & K."; by Durham Chemicals, Ltd., Birtley; 680,972.

For agricultural and horticultural chemicals; and manures (1).—"ADRICHU"; by Adco, Ltd., London, E.C.2; 681,492.

For essential oils and mixtures of essential oils for use in the manufacture of toilet preparations, etc. (3).—"REIGATE TEMPLAR" and device of mounted crusaders; by White, Tomkins & Courage, Ltd., London, E.C.3; 676,118.

For non-medicated toilet preparations (3).—"UNCLE HOLLY"; by Selfridges, Ltd., London, W.1; 680,481.

For all goods (3).—"POEM"; by Icilma Co., Ltd., London, E.C.4; 682,016.

For ink-removing preparations (3).—"CORONA"; by Wiggins-Davies, Ltd., Birmingham; 682,314.

For antiseptic pastes for dressing wounds (5).—"NYLOPLAST"; by Cilag, Ltd., Schaffhausen; 664,675.

For insecticides, weed and vermin-destroying preparations, etc. (5).—"VELSICOL"; by Velsicol Corp., Chicago; 666,326.

For moth-destroying and repelling preparations (5).—"COOPER'S MOTH DRUM" on label device; by Cooper, McDougall & Robertson, Ltd., Berkhamsted; 677,055.

For pharmaceutical preparations (5).—"SALATIC"; by Rhumasceltzer, Ltd., Newcastle; 664,983. "TENIATHANE"; by Allied Laboratories, Inc., Kansas; 680,211. "FERRADINOL"; by Duncan, Flockhart & Co., Edinburgh; 680,880. "NYXO-LAN"; by Aktien Gesellschaft Hommel's Haemato-gen, Zurich; 681,059. "VITANIUM"; by Vincent Nesfield, Sandhurst; 681,452. "JUNIVITE"; by Boots Pure Drug Co., Ltd., Nottingham; 682,271.

For deodorants (5).—"PERSPRAY"; by Don Stuart Momand, London, N.W.1; 682,817.

For razors and razor blades (8).—"BUSY BEE" on label device including bees; by Price & Co (Manchester), Ltd., Manchester; 681,797.

For photographic apparatus (9).—"PONY"; by Kodak, Ltd., London, W.C.2; 681,548.

For scientific apparatus and instruments (9).—"IRAS"; by Instrument Re-conditioning & Sales, Ltd., Morecambe; 680,725.

For all goods, excluding infants' invalids' and dietetic foods (5).—"ZUBES" in distinctive lettering; by F. W. Hampshire & Co., Ltd., Derby; 679,486.

COMING EVENTS

Monday, January 2

SOUTHGATE AND WOOD GREEN DIVISION, NORTH LONDON BRANCH, PHARMACEUTICAL SOCIETY. Three Jolly Butchers Hotel, Wood Green, at 7.30 p.m. Film Show, "Medical Applications of Sulphon-amides."

Tuesday, January 3

SOUTH-EASTERN (LONDON) ASSOCIATIONS, Grove Tavern, 26 Camberwell Grove, London, S.E.5, at 7.30 p.m. Dr. F. R. Waldron (divisional medical officer of Health) on "From Pharmacology to Belsen."

Wednesday, January 4

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, The Ardington Rooms, Clapham Junction, S.W.11, at 6 p.m. Dinner and New Year party. Chairman, Mr. J. U. Warburton.

WALLASEY PHARMACISTS' ASSOCIATION, Hotel Victoria, New Brighton, 8 p.m. to 1 a.m. Carnival dance.

Thursday, January 5

BURNLEY BRANCH, PHARMACEUTICAL SOCIETY, Oddies Café, Scotland Road, Nelson. Showing of films, "The Story of Halibut-liver Oil" and "Emulsions."

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION. Children's visit to pantomime, and tea. INSTITUTE OF BIOLOGY, Great Hall, King's College, Strand, London, W.C.2, at 6 p.m. First general meeting.

FIFTY YEARS AGO

A Wish and a Promise

(From the C. & D., December 30, 1899)

We . . . note that a month's numbers of THE CHEMIST AND DRUGGIST are as bulky now as those for a whole year in the 'sixties. Support extended to us by advertisers and subscribers has been contemporaneous with this progress, and we have the satisfaction of now recording the most progressive year in our history. It would be rash to say what THE CHEMIST AND DRUGGIST will be during the coming year. As a journal of pharmacy and the drug-trade it is performe a record of events, and editorial plans are frequently upset by the seismic movements of the trade. But events cannot alter the heartiness of our wish that 1900 will be to all C. & D. supporters A Prosperous and Happy New Year.

Vitamins

for all age groups

RADIOMULSIN

Trade Mark



A free flowing preparation miscible with any type of infant feed. Pleasantly flavoured to appeal also to older children and adults.

Contains vitamins A B₁ B₂ C and D₂ and nicotinamide.

RADIO-MALT

Trade Mark



A favourite extra-dietary supplement for children and adults. They like its delicious toffee flavour.

Contains vitamins A B₁ B₂ and D₂.

MULTIVITE

Trade Mark



A convenient and widely popular preparation of vitamins essential to health and protection against colds and influenza. Two pellets provide the normal daily adult requirements of these vitamins.

Contains vitamins A B₁ C and D₂.

'RADIOMULSIN'

	Trade	Retail
4 fl. oz.	2/6	3/9
16 fl. oz.	8/8	13/-
80 fl. oz.	39/-	58/6

'RADIO-MALT'

Small jars	2/1½	3/-
Large jars	3/10	5/6

'MULTIVITE'

Container of 75 pellets	3/7½	5/3
Bottle of 500 pellets	18/-	27/-

Bonus Terms available on application

THE BRITISH DRUG HOUSES LTD. LONDON N.1

STANDARD SYNTHETICS

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Actual distillers of Essential Oils

*Manufacturers of Aromatics, Perfume
Bases and Flavours.*

*We specialise in Cinnamon Bark Oil,
Juniper Berry Oil, Winter-green Oil, Eucalyptol,
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Perfumes, etc.*

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ANIS OIL
AGAR AGAR
ALOES CAPE and CURACAO
BELLADONNA LEAVES and ROOT
BERGAMOT OIL
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CHILLIES
CINCHONA BARK
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LIQUORICE ROOT and JUICE
MENTHOL CRYSTALS
ORANGEPEEL
PEPPERMINT OIL
SAGE LEAVES
STROPHANTHUS SEED
TONQUIN BEANS

and all other crude Drugs, Essential
Oils and Spices.

JOHN KELLYS (LONDON) LTD.

24 OLD BROAD STREET, LONDON, E.C.2

Telephone: LONDON Wall 4882, 6585, 6586

Telegrams: "Ergotine, Stock, London"

Manufacturers of **TANNIC ACID** (Bulk Supplies Only)
ALL QUALITIES

THE BRITISH DYEWOOD COMPANY LTD.
19 St. VINCENT PLACE, GLASGOW, C.1

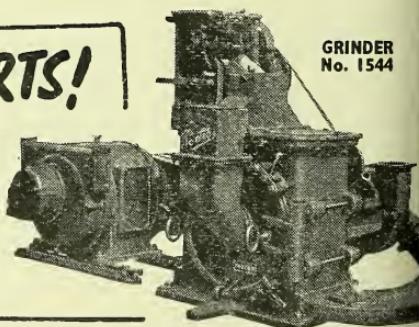
Telephone: CENTRAL 4425

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CALL IN THE EXPERTS!

The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now?

**GEORGE PORTEUS & Sons (Leeds) Ltd.
LEEDS BRIDGE WORKS, LEEDS 10**



G.P.

Famous the world over



ALOIN ATROPINE BISMUTH SALTS
CANTHARIDIN CAPSICIN CHLORAL HYDRATE
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Manufactured in Edinburgh by

T. & H. SMITH LTD

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AN ALL COTTON WOOL PRODUCT OF REPUBLIC

For
CONSISTENT
 Purity, Strength
 and Quality

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MILL 633
Filter Papers

EVANS, ADLARD & CO. LTD • WINCHCOMBE • GLOS.

MAG. CARB. POND. B.P.

PROMPT DELIVERY
 GOOD PACKING
 COMPETITIVE PRICE

DUNN BROTHERS' SUCCRS. LTD.
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ConSolux
Patent No. 41071
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SUPERFINE QUALITY
 ALL WOOL SANITARY TOWEL

LOOPEP ENDS
 NON-ABSORBENT BACK
 WHOLESALE ONLY

ROBERT BAILEY & SON, LTD.
 SURGICAL DRESSING MANUFACTURERS
 DYSART STREET, GREAT MOOR, STOCKPORT
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 FROM OUR OWN GROWERS Alexandrian & Tinnevelly
 Pods, Leaves, Sifted
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DISPRIN
 NEUTRAL SOLUBLE ASPIRIN
 Non-acid, non-irritant and palatable

SURE-SELLING STOCK
 OVER 150 YEARS REPUTATION
KEARSLEY'S
 THE ORIGINAL
 WIDOW WELCH'S PILLS
 9d. BOX PROFIT by ordering 1 dozen
 3/3½ size. Bonus given on every
 dozen (13). It pays to push this
C. & G. KEARSLEY LTD
 71 Dartmouth Rd., London S.E.1
Est. 1787

The **ARTHOL**

TRADE MARK

MANUFACTURING CO., LTD.

PERFUMES

CONCENTRATED ESSENCES
AROMATIC CHEMICALS
SYNTHETIC ESSENTIAL OILS
TERPENELESS
for all purposes



SEALAND ROAD

CHESTER

GRAMS: "SYNTHEICS," CHESTER A.B.C. CODES, 5th & 6th EDITIONS PHONE: CHESTER 664

Another product
bearing the
famous name
'outhalls...
Paper
Handkerchiefs

YOU KNOW that the Southalls name stands for quality and is a recommendation to customers. Here is a new line in this famous range . . . thalls Paper Handkerchiefs. One inches square, with embossed fancy border, and made of 3-ply pure cellulose wadding, thalls Paper Handkerchiefs sell to the public attractive packets of 20 for 6d. They come to in parcels of 3-dozen packets. Order through your Wholesaler. Trade price 49½d. per gross sets.

SOUTHALLS (Birmingham) LTD

ZEAL

Clinicals

*The Choice
of Experts*

BRITISH
MADE

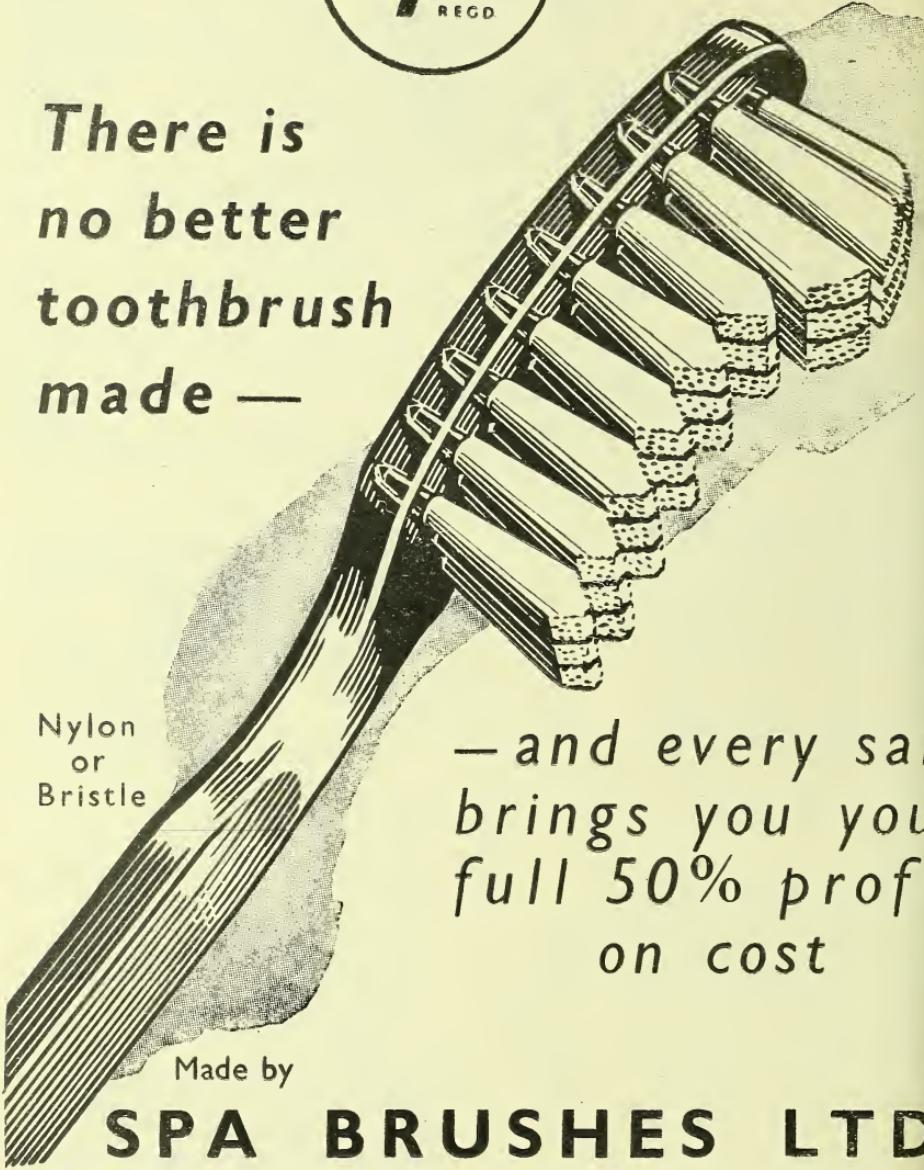
NO HIGHER
IN PRICE THAN
NONDESCRIPT
MAKES

Also Household, Bath,
and Works Thermometers,
the best of their kind

G.H. ZEAL LTD.
LOMBARD RD., MORDEN RD.,
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**There is
no better
toothbrush
made —**



**— and every sale
brings you your
full 50% profit
on cost**

Made by

SPA BRUSHES LTD
FREEMAN WORKS • CHESHAM • BUCKS

Marigold

regd.

PRODUCTS



ely New!
MARIGOLD
all-purpose
UBBER GLOVES
ETTE-LINED — to slip on or
easily
E EXTERIOR for non-slip grip
hand protection for home, gar-
and garage
this line — it's a sure seller



FEEDING BOTTLE TEATS AND VALVES (and Soothers, too!)

'Golden clear' natural Latex construction, scientifically designed for baby's comfort—hygienic and safe. Easily sterilised. Guaranteed store life—always soft and resilient.

There is an all-the-year-round ready sale for these lines. Show them—they'll sell!

All products packed in dustproof cellophane wrapping. Attractive showcards and display material also available.

Home and Export Enquiries to :—

J. ALLEN RUBBER CO., LTD • CHELTENHAM

THIS IS WHAT THEY SAY ABOUT

SILCOT

THEY SOMETIMES
SAY THIS —

— SOMETIMES
THIS —

— AND AT OTHER
TIMES THIS —

For display — a reproduction of
the new Silcot showcard, approx.
7½" x 5". Attractively printed
in colour.

Nov. 18. 1949
My customers like
yours best, and many
will not have any
others.

Oct. 2. 1949
We have been
repeatedly asked for
your sanitary towels

Nov. 11. 1949
If you would please
send me a selection, I
could then supply the
demands. They must
be a good towel to be
asked for so often.

These extracts from recent letters show
what retailers are saying about SILCOT.
The reason why women are asking for
Silcot is that it is a quality towel at a
competitive price.

Cotton Wool Towels, with knitted
covers and stitched loops.

Obtained direct from:—

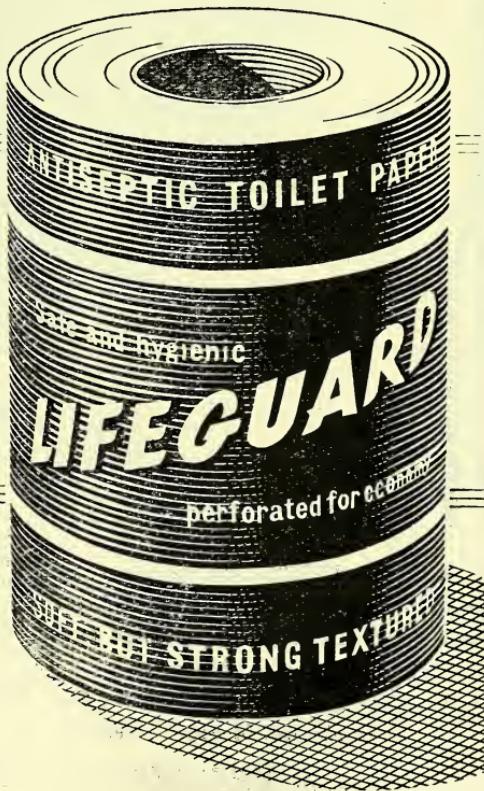
MACDONALD & SON LTD., HOPE MILLS, POLLARD ST., MANCHESTER

Get on to the
LIFEGUARD
(REGD.)
PAY ROLL

**"LIFEGUARD Biggest
Advertiser of all
Disinfectants"**

— STATISTICAL REVIEW

Stock it-Show it-
Sold it!





The name
that means
everything to
a Woman

VELENA

Soluble Sanitary Towels

In packets of Six 10½d. and
packets of Twelve 1/9d.

Veleno, Alperton Mills,
Alperton, Middx.

One of the new VELENA advertisements now appearing in the daily press and selected women's magazines . . . an estimated total readership of over 12 million women. This, and the high quality of VELENA, is your assurance of steady and increasing demand.

Trade enquiries to **VELENA**

Alperton Mills, Woodside End, Mount Pleasant
Alperton, Middlesex.



**SUPREME
BRANNAN
ACCURACY**

THERMOMETER
Clinical Household Industrial

MADE IN ENGLAND
BY
**S.BRANNAN &
SONS LTD.**
London & Cumberland

'ACRIBES'
Regd. Trade Mark

EXPORT BRA
LYALLWIL
& CO. LTD
52, BAKER S
LONDON, V



Lastonet

**FEATHERWEIGHT
ELASTIC STOCKING**

This ideal made-to-measure surgical stocking is available in thigh or knee lengths, ensuring perfect fit with complete comfort. Made entirely of net, the stocking is cool to wear, allowing free circulation of air over the skin. Invisible under the normal stocking.

Full details and
particulars of
Medical opinion
from :—

EXHIBITION SUCCESS . . . NAPPI-WITE STAND BESIEGED!

Nappi-wite" the modern
Nappi wash is voted and
proved the best!

After their outstanding success at the Mothercraft Exhibition there is no doubt that Nappi-wite is a certain winner. They have been literally swamped with enquiries of "where can I buy NAPPI-WITE"? Said one mother "Send me three dozen cartons, my shop doesn't stock it".



Don't miss this wonderful opportunity of selling a wonderful repeating line, that is backed by national advertising.

You will be inundated with enquiries.

Nappi-wite is stocked by leading chemists' wholesalers. If you have difficulty to obtain write or phone.

As recommended by the "Nursery World".

NAPPI-WITE
REGD.

17 CONDUIT ST., LONDON, W.1
TELEPHONE : LANGHAM 4641

If

you agree

that the pack

makes the product,

you should let

Petrushkin

make the

pack

M. PETRUSHKIN LIMITED. Established 1894
Cardboard Box Manufacturers and Printers
183 BOW ROAD, LONDON, E.3 • Advance 3131-.

SMITHS

HYLOTHERMS

SATISFY THE

WIDE DEMAND

FOR C.T.R.★

★ (CHECKED TEMPERATURE RECORDING)

BY SCHOOLS,

HOSPITALS,

FACTORIES,

WAREHOUSES,

AND BY FARMERS.

POULTRY KEEPERS,

etc., etc.

By recording with certa
the maximum and minin
temperatures over
period, Smiths HY
THERMS offer your
tomers a constant safeg
against damaging temp
ture variations. Press bu
makes resetting instant
eous. Strong rust
weatherproof cases. Gin
bracket supplied for v
fixing.

Price: 49

SMITHS ENGLISH CLOCKS LTD., LONDON, N.2
The Clock & Watch Division of S. Smith & Sons (England)



FOR DESTROYING RATS and MICE
HALLER'S EXTRACT OF SQUIRREL
is always in demand as it is a standard product, controlled by Bio-assay test.

For the destruction of Beetles, Cockroaches, Crickets, etc.

USE

"DANZO BEETLE POWDER"

"CADOG"

Parasiticide and Insecticide in liquid form
destroys all kinds of noxious insects:-

Bugs, Lice, Fleas, Moths, etc.

Address all enquiries for preparations for
destruction of Domestic Pests to:-

HALLER LABORATORIES, LIMITED
325, BOROUGH HIGH STREET, LONDON, S.E.1

SHERLEY'S always make Regular Customers!

be sure of a fair share of the big, regular demand for the Sherley's preparations please order well ahead—empty shelves can only mean disappointment. There is no treasure like a regular customer. He is the mainstay of profitable trading; a source of valuable word will. Adequate stocks of Sherley's Dog and Cat Medicines will keep the "regulars" happy and turn many a "usual" into a good friend.

SHERLEY'S DOG MEDICINES

SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E.1



HARVEY'S
Horse Remedies
P.A.T.A. Protected Prices
Supplies can be obtained through all Wholesale Houses
HARVEY & CO. (DUBLIN) LTD., DUBLIN

CARTONS & BOXES
PRINTED OR PLAIN
OF EVERY KIND, FOR EVERY PURPOSE
CARTON BOX & PRINTING CO LTD
BRINKSWAY, STOCKPORT
PHONE: STO 3700.
TRANSPARENT BOXES

SHOWCARDS

WELL KNOWN - and liked!

THE OUTSTANDING
PINE DISINFECTANT
and GERMICIDE

To maintain quality, supplies were restricted during the war, today Drummer Pine rapidly regains its leading position in consequence of the goodwill of the trade and public. People have confidence in the powerful disinfectant germicidal properties of DRUMMER PINE and they love the fragrance that "spells clean."



Large posters and
press advertising
commenced June

WILLIAM EDGE & SONS LTD BOLTON
JH786

KOMPO
FOR
COLDS

M n factured only by
J. F WHITE & CO., LTD.
ngton Laboratory, Benson Street, Leeds,

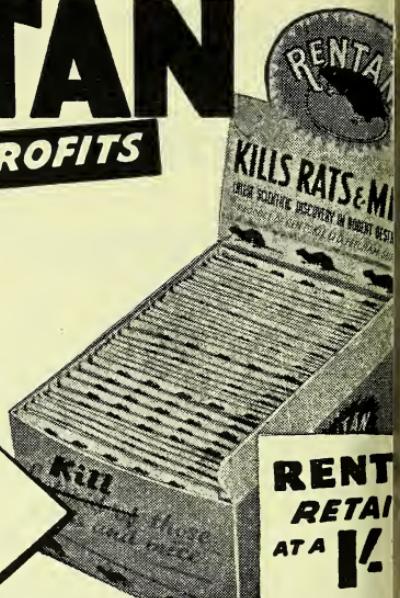
SELL RENTAN

AND EARN LARGE PROFITS

RENTAN is the LATEST SCIENTIFIC DISCOVERY IN RODENT DESTRUCTION. It is the PRODUCT with the pre-bait APPROVED BY THE AUTHORITIES. PACKED IN ATTRACTIVE CARTONS, RENTAN is EASY TO DISPLAY, EASY TO SELL and BRINGS MORE PROFIT TO YOU. RENTAN is a KILLER not a repellent.

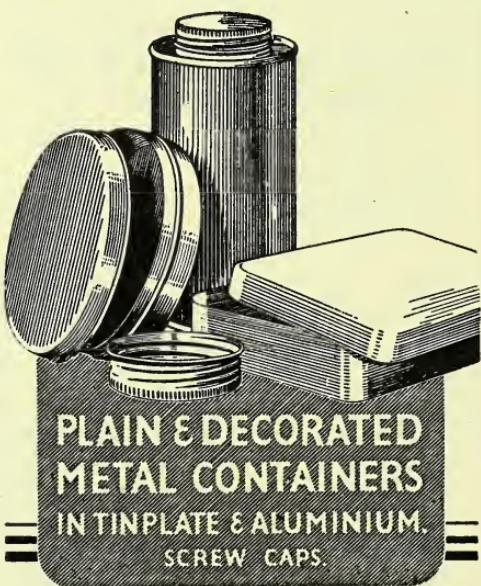
ASK YOUR WHOLESALER

Every Wholesale Chemist in the British Isles has full particulars of the RENTAN discount scheme. APPLY TO HIM NOW for supplies of this RELIABLE RAT AND MOUSE KILLER.



RENTOKIL LTD., SCHOOL LANE, FETCHAM, LEATHERHEAD, SURREY

Telephone: Leatherhead 4021/2



AVON TIN

PRINTERS LTD

IMPERIAL WORKS, ST. GEORGE, BRISTOL, 5
GRAMS TINPAX BRISTOL PHONE BRISTOL 57877/8

“CELOPHANE” BAGS

A	FEW	STOCK	SIZES.	ALL	PER
1½	x 2½	..	12/6	3½ x 6½ ..	30/- 4½ x 8 ..
2½	x 2½	..	16/-	3½ x 8 ..	35/- 5 x 5 ..
2½	x 4	..	18/-	4 x 4 ..	23/6 5½ x 6½ ..
3	x 4	..	22/6	4 x 6 ..	30/- 5 x 9 ..
3	x 5	..	24/-	4 x 7 ..	35/- 5½ x 10 ..

“CELOPHANE” SHEETS FOR WRAPPING

20 x 30, 50/- 500. Rolls, 5 yds, x 20", 18/- doz in Colours—Red, Green, Blue, Yellow, Pink, Violet, Tango, 30 x 20, 60/- 500. Rolls, 20" x 50 yds. White Tissue, 26 x 16, 10/6; ream 3 for Colours, 30 x 20, 16/- ream 3 for 45/-.

Large stocks Crepe, Wrapping, Card, etc.
ASK FOR LISTS AND SAMPLES

ALLAN'S 37, FARRINGDON STREET, LONDON E.C.1
PHONE: CENTRAL 5947 • GRAMS: SUNFLECTA, CENTRAL 5947
(UNDER HOLBORN VIADUCT) Business Hours: 9 a.m. to 6 p.m. Closed Saturday

INDIA's retail, wholesale and import drug trade (also Pakistan, Ceylon) is blanket covered by country's 12 year old journal **CHEMIST & DRUGSTORE NEWS**. Official Organ of All-India and International drug trade associations.

Copy, details free

31 Hamam St., Bombay, I

London Office: D. S. Cooper, 2-3 Norfolk Street, London, W.C.2 Temple Bar 468

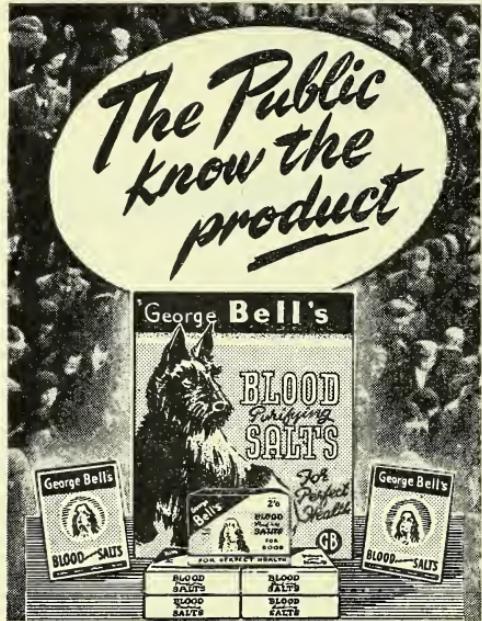
Important Price Announcement from Gillette

The following prices will apply in Great Britain and Northern Ireland for supplies as from 28th December, 1949 :—

	TRADE PRICE (excl. P. Tax)	RETAIL PRICE (incl. P. Tax)
Blue Gillette and Valet Blades	PER CARTON (100 Blades) 18/3	PER PACKET of 10 3/4 PER PACKET of 5 1/8
Thin Gillette Blades	PER CARTON (144 Blades) 19/9	PER PACKET of 12 3/- PER PACKET of 6 1/6
7 o'clock Blades	PER CARTON (100 Blades) 9/-	PER PACKET of 10 1/8 PER PACKET of 5 10d.

Trade enquiries to your usual wholesaler.

GILLETTE INDUSTRIES LIMITED, GREAT WEST ROAD, ISLEWORTH, MIDDLESEX



**Remind them
to buy by
displaying
GEORGE BELL'S**

Blood Salts

Give George Bell's Blood Salts, for dogs, prominent window and counter display.

This will mean more sales and profits for you. The packs make good displays, but if you require further display material, please write:—

**BELL & SONS, LTD.,
18, SILVERDALE WORKS,
LIVERPOOL, 13**

S.C.P.9

JOHN KNOX · JOHN KNOX · JOHN KNOX

'Sleepyland' Baby Products

Sleepyland B/S Feeding bottles in two sizes, 4 oz., 8 oz. Complete and each in the well-known green and white carton.

Sleepyland Upright Feeding Bottles.

Sleepyland Teats } in individual cartons
" Valves } and packed in display outers.

Sleepyland All Rubber Soothers.

Cherry end, boxed singly and in attractive display outer of 2 doz.

Sleepyland Hand Made Rubber Hot Water Bottles.

JOHN KNOX (STOKE-ON-TRENT) LTD

Jaynox Works,
King Street,
Fenton,
Stoke-on-Trent.

P.A.T.A.

John Knox
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26/38, Dean St.,
Birmingham, 5.

JOHN KNOX · JOHN KNOX · JOHN KNOX

When it's Sundries Think of "Ritchies"

A few samples from our range:

Arch Supports	Gillettes
Hypodermic Needles (Stainless)	Personna
Dressings of all types	Dunlopillo
Weighing Machines	Cushions
Ramer Sponges	Electric Blankets
Spontex Sponges	Heat-Pads
Pill Boxes	"Agrrippa" Teats
	Feedrites
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	Scissors of all Types

We stock Addis, Halex and Hygex Brushes

George B. Ritchie & Co
249 Buchanan Street, G'asgow, C.
Tel: DOUglas 0532/3

FOR EVERY MONTH OF THE YEAR

"ZEMS"**HERBAL LICORICE TABLETS**

THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained



from C.F. Wholesale Houses

ZEMS LTD

718-724 Seven Sisters Road, London, N.15
Telephone: STAMFORD HILL 6658-9

'Semprolia'

D.D.T. HAIR EMULSION

*... a new
effective treatment
for head lice..*

A new formula Hair Emulsion, containing D.D.T. as the active ingredient, for the control of head lice. Pleasantly perfumed and simple to use. Apply by massaging into the scalp. No combing is required except for the removal of dead lice. Treatment is economical — individual application four drachms only.

List price 8/- (plus tax). Retail price 1/3 (incl. tax).

ALSO STILL RECOMMENDED

'Semprolia'

BRAND

MEDICATED (LETHANE)
HAIR OIL N.W.F.

STEMCO Ltd., 128 Albert St., Camden Town, N.W.1
Agents in Eire: May Roberts (Ireland) Ltd., Dublin

CHEMIST SUNDRIES
DISPOSAL STOCKS
AT MORE THAN
50% REDUCTION

★ MILTON ANTISEPTI

4 oz. BOTTLES

★ TOOTH BRUSHE

4 ROW NYLON
(a limited number)

★ SHAVING BRUSHE

PURE BRISTLE BONE HANDLE
EX ADMIRALTY STORES

Wholesale Enquiries ONLY

L. FRANKENBERG LTD.

37 Houndsditch, London, E.3
Telephone : AVE. 4966

DIADERMINE is back . . .

The all-purpose cream is again obtainable in its original pre-war quality. A cleansing beauty cream, combining valuable medicinal factors, DIADERMINE fulfils a long-felt need for family skin care. DIADERMINE is odourless, greaseless, aseptic and water soluble. National advertising is already beginning . . . order your stock of DIADERMINE today. Retail Prices: Tubes : 10d., 1/3, 2/6; Family Jars : 4/2, 7/6. De-Luxe Jar 6/8. All prices include Purchase Tax.

Order through your usual wholesaler.

DIADERMINE (1949) Ltd., 66/67 Newman St., London, W.I

LONDON · PARIS · BRUSSELS · MILAN



Regd.
Trade
Mark



DIADERMINE

COMPRESSED

MEDICINAL & OTHER
TABLETS

any shape or size up to 1½"
(bulk or packed)

Private Formulas compounded by
Experts. Strict secrecy guaranteed

OVER 40 YEARS' PRACTICAL EXPERIENCE
Enquiries invited.

Telephone:
Canonsbury 3401

BUCKLEY-BOWKER TABLET CO. LTD.
29, PARKFIELD STREET · LONDON · N.

You get an **ACTIVE RESPONSE** from an
'ASPRO' DISPLAY



'ASPRO' displays are powerful pullers because they act as vivid reminders to thousands of 'ASPRO' users, and 'ASPRO' is better known to the public, and means more to them, than any other line of its kind. 'ASPRO' displays give you a double advantage—they increase your profit margin by qualifying you for bonus and at the same time are, in themselves, making steady sales for you.

**WINTER DEMAND
SHIFTS 'ASPRO' QUICKLY —
Keep good marginal stocks on hand**

'ASPRO' BAGS—PRICES REDUCED

We are passing on to you the full benefit of the lower production costs of paper bags :

REASEPROOF (formerly 9/- per 1,000) **NOW 6/- per 1,000.**

OZ. WHITE (formerly 6/6 per 1,000) **NOW 5/- per 1,000.**

We suggest you take advantage of this opportunity by ordering now.

**AN ELECTRIC CLOCK AT
COST PRICE — £3**

We are now able to supply you with a precision-made Smith's Sectric "Clock (as illustrated) for use in your shop or window—size 13½ in. by 10½ in. It is a quality job, elegant and modern in appearance and an excellent timekeeper. We have had a host of approving comments from the 800 chemists who have already stalled these clocks. Take advantage of this opportunity now. NOTE : These clocks are not suitable for use on D.C. mains but such cases we can supply an 8-day Smith's lever movement clock at £3 15s. Od.



Made in England by
ASPRO LIMITED, Slough, Bucks

ASPRO
REG. TRADE MARK

P.T.A.

PROMULSIN WAX

The Ideal Emulsifier for Modern Ointment Bases

PROMULSIN WAX is a synthetic self-emulsifying wax which produces elegant emulsified ointment bases possessing out-standing advantages over fatty bases. Such bases are :

- ★ Water-miscible — ensuring maximum diffusion and activity of medicaments
- ★ Non-irritant — recent tests have conclusively proved that PROMULSIN WAX is free from irritant effects on delicate skins
- ★ Non-greasy — capable of ready removal from the skin by water
- ★ Economical — ensures a considerable saving in fats and oils
- ★ Easy to spread and adhere well to the skin
- ★ Stable — normal changes in temperature do not affect their consistency
- ★ Allow escape of heat from inflamed areas, producing a cooling effect
- ★ Compatible with a wide range of medicaments
- ★ Non-staining — the colour of even high'y-staining compounds such as aniline dyes and flavines in these emulsified ointment bases, practically disappears into the skin

PROMULSIN WAX can produce either greasy or non-greasy ointment bases, and also water-free bases into which can be incorporated relatively large amounts of water or aqueous solutions of medicaments. Formulas, samples and further details will gladly be supplied on request.

WATFORD CHEMICAL COMPANY LIMITED

30 BAKER STREET, W.I.

Telephone: Welbeck 0264

HERE'S YOUR
NEXT
CUSTOMER
FOR



Warming, soothing relief for Backache, Rheumatism, Lumbago, Sciatica and pains in the kidneys, chest or limbs. A complete treatment in one plaster.

MADE IN ENGLAND BY

Johnson & Johnson
IGT. BRITAIN LTD.

SLough & GARGRAVE

Autumn Sellers

LOVELUCK'S

LANOLINE BALM

Retail 1/6. Display Outers 35/- inc.
Tax.

LEC

ANTISEPTIC GARGLE

Retail 2/3 I.P.T.

4 oz. Bottles

LEC

BROMPTON LOZENGES

Retail 1/6 I.P.T.

Attractive 3-colour Cartons

Show Material Available with all lines.

Professionally Elegant

Commercially attractive

FULL TRADE DISCOUNTS AND BONUS
TERMS ON APPLICATION

LOVELUCK EDWARDS & CO.

432/438/440 GARRATT LANE - S.W.18

Derm Favourites!

with every member of the family

CUTICURA PREPARATIONS

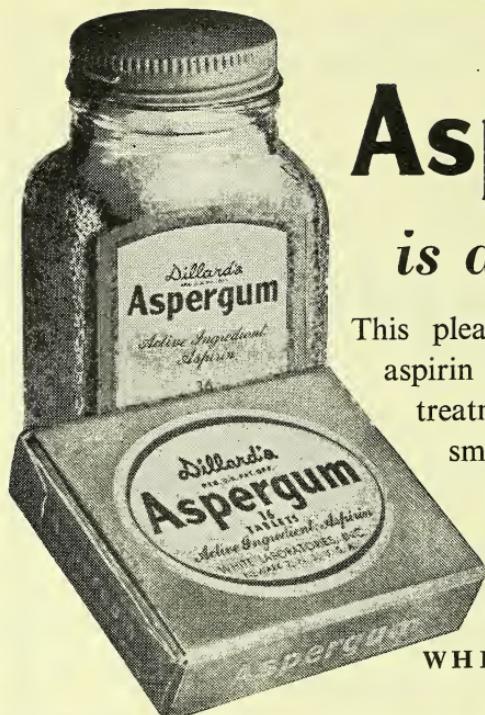
(MEDICINAL AND TOILET)

SOAP . OINTMENT**TALCUM POWDER . SHAVING STICK**

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good—Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range :

HAND CREAM . BABY OIL**SHAVING CREAM . LIQUID ANTISEPTIC****AFTER-SHAVE LOTION****British Distributors: NEWBERY & PHILLIPS LTD.**203, Victoria House, Southampton Row, London, W.C.1
TELEPHONE : HOLBORN 1564*for***THE POTTER DRUG & CHEMICAL CORPORATION**
205-207, Victoria House, London, W.C.1



Aspergum

is available again

This pleasantly flavoured chewing gum aspirin is ideal for post-tonsillectomy treatment, laryngitis, sore throat, smokers' throat, etc.

Available in 16-tablet packages at 1/7 and moisture-proof bottles of 36 tablets at 3/2 (both inclusive of tax). Supplies obtainable from your usual wholesaler at 11/3 and 22/6 per doz. respectively.

WHITE LABORATORIES LTD
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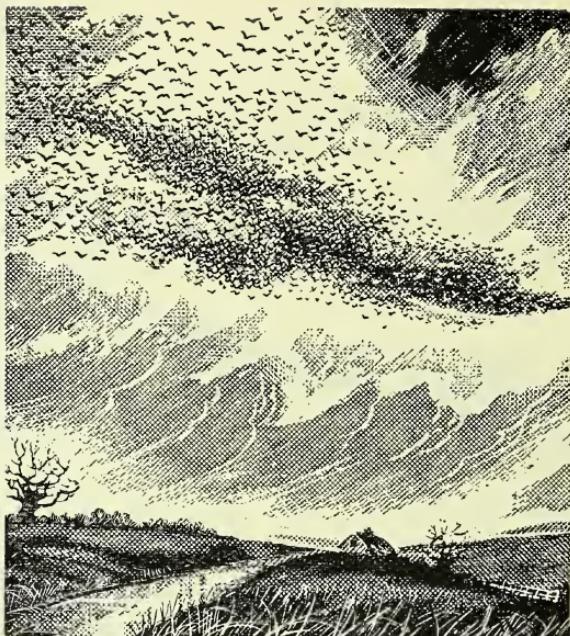
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6. London, New Cross. Main road middle- and working-class retail business. Turnover this year over £7,000. Net profits approach £1,500. Solid mahogany fixtures estimated to be worth £750. Rent of premises £140, less sublets amounting to £80 per annum. Long lease. Vendor will accept about £2,000 for the lease and goodwill, plus the stock and fixtures at valuation.

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ence. Please apply, enclosing copy testimonials, ement of qualifications and salary required, Secretary, at the above address. C 5126

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D.) of Hospital, as soon as possible.

C 5244

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Applications are invited for the post of STATION CHEMIST at Longford Generating Station, Coventry.

Candidates should be qualified to take charge of the Station Laboratory and be fully conversant with modern generating station practice.

Preference will be given to candidates possessing a University Degree or an Associate- ship of the Royal Institute of Chemistry.

Salary in accordance with Class J, Grade 7, of the National Joint Board Schedule, at present £606, rising to £633 per annum.

The appointment will be superannuable under terms and conditions of the British Electricity Authority's Superannuation Scheme.

Applications must be submitted on the appropriate form which can be obtained from the Divisional Establishments Officer at the undermentioned address, and when completed, should be delivered not later than Monday, January 9, 1950.

W. S. BURGE,
Divisional Controller,
British Electricity Authority,

British Electricity House,

Barker Gate, Nottingham,

15.12.49.DHB/JB.

63/2/3/79.

C 5236

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A.1. London, S.W. (Death Vacancy)—Old-established business in good-class residential area; should be well capable of showing a very substantial turnover; spacious living accommodation available; leasehold property for sale with the business; property and goodwill £4,500 plus value of stock and fixtures, approx. £1,470; quick sale desired and reasonable offers will, if necessary, be considered. Further particulars upon application.

A.2. Kent Coast (Growing Residential Suburb)—Property (held on lease) which is considered admirably adapted to the establishment of a new pharmacy; freehold residence can be purchased if required at a price of about £2,000, subject probably to a 75% mortgage; the price asked for the shop lease, fixtures, etc., is £450; further details upon application.

A.3. Brentford (near)—Main-road business in middle and working-class area. Turnover for 1947/48 £4,937. Until recently the business was carried on under management and the present returns are appreciably below the former average. The business, however, should be well capable of

quick resuscitation. Limited living accommodation available. Good garden with fruit trees. Price £1,750, subject to stock estimated at £

A.4. Hants.—Family business with some agricultural trade; populous rural area to draw up turnover for current financial year should exceed £2,500. Low rent. Total price £1,600 including stock estimated at £800 (to be taken at value in the customary manner).

A.5. Twickenham—Set of Light Oak fittings comprising wallcases, dispensing screen, counter, for sale at a price of £260 or near offer; further particulars upon application to our London Office.

A.6. Kent—Unopposed good-class business in modern freehold property; turnover for last financial year £4,158, but scope should exist for appreciable further development. Good living accommodation with small well-laid-out garden. Price asked for business £2,900 (including stock and fixtures estimated at £1,300). Free £4,500 on which we understand that at least £4,000 could be raised on mortgage if necessary.

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Appointments—Continued

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ASSISTANT PHARMACIST required, non-resident. Applications are invited from qualified persons, preferably M.P.S., for the post of First Assistant Pharmacist at above Hospital. Whole-time or part-time post considered. Salary on approved scale £415-£490 per annum subject to review. N.H.S. superannuation regulations and conditions of service. Applications, stating age, qualifications and experience to be forwarded to the undersigned.

T. RHODES,

Secretary,

Medway & Gravesend Hospital Management Committee, St. William's Hospital, Rochester. C 5235

FRIERN HOSPITAL, NEW SOUTHGATE, LONDON, N. Experienced DISPENSER required to a Pharmacist. Indentured apprenticeship es- tential. Salary £400 per annum. Applica- tions giving details of experience and age sh- ould be sent to the Secretary, Friern Hospital, N. Southgate, London, N.11.

WELLHOUSE HOSPITAL, BARNET, HERTS

FIRST ASSISTANT PHARMACIST requi-
Salary and conditions in accordance with
Scheme of Conditions of Service of the
Negotiating Committee. Applications, v-
full necessary details, to the Medical Dire-
at the Hospital.

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23) x £25 to £525 per annum. Commence-
ment salary will depend on previous experi-
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cations stating age, qualifications and ex-
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to the Chief Pharmacist at the above Hospi-

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TED, keen young salesman, some knowledge s, etc., progressive, pensionable post to enterprising man. Write Manager, City Sale & Exchange, 64 Cheapside, London, E.C.2.

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C 1317

C 1320

C 1330

C 1339

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CANCY EXISTS on representative staff of manufacturing chemists marketing nationally known brands of the highest repute, in the territory covering Cambridge, Bedford, Northants, Norfolk and Suffolk. Successful applicant will be asked to call upon the company's trade customers, mainly retail and wholesale chemists, and, in addition, to undertake a certain amount of promotional propaganda. The position is interesting and progressive. Pharmaceutical qualification essential but the man appointed must have good experience in retail pharmacy and reside in the territory, preferably in Cambridgeshire. A car available. Give full particulars of experience, etc., to Box C 5252.

CANCY OCCURS in the publications department of an important pharmaceutical house situated near London, for a male or female assistant pharmaceutical or chemical background. The does not entail the writing of technical literature but the editing of it in collaboration with technical staff, collation of price lists and all publications of the company. A sound knowledge of English languages is essential. Candidates preferably 25-35. Salary according to qualifications, five-day week. Canteen facilities. Apply full details of qualifications to Publicity Box C 18.

EVANS MEDICAL SUPPLIES, LTD., require assistance for analytical work. Applicants should be pharmacists, preferably with a Ph.C. qualification, sons with a degree in chemistry or A.R.I.C. according to qualifications and experience. to the Manager, Evans Pharmaceutical Laboratories, 29 Fleet St., Liverpool, 1.

C 5228

EVANS MEDICAL SUPPLIES, LTD., require several young pharmacists for dispensing and supervisory work. Salary according to qualifications and experience. Apply to the Manager, Evans Pharmaceutical Laboratories, 29 Fleet St., Liverpool, 1. C 5229

EXPERIENCED REPRESENTATIVE for Hants, Dorset, calling on chemists, stores, co-ops, required by reputable London wholesalers of toilet requisites, fancy goods, etc. Liberal commission. Existing connections handed over. Car advantage. Give details and references to Box C 1337.

FIRST-CLASS MEDICAL representatives required by ethical concern manufacturing range of pharmaceuticals to cover two areas (1) London South of Thames, and Suburbs; (2) Derby, Notts and Leicester. Only men who can prove records of continuous successful service to date, established connection with doctors and chemists, should apply for these permanent progressive positions with remuneration representing £900-£1,000 p.a. Comprehensive details must be given, in confidence. Our representative staff know of this advertisement. Box C 5215.

FOREMAN required for pharmaceutical warehouse of chemical manufacturers in Manchester. Full particulars, experience, salary required, to Box C 1286.

HIRST, BROOKE & HIRST, LTD., require assistant chemist for manufacturing laboratory. Applicants must have experience of large-scale manufacture and be conversant with modern plant. Apply Works Manager, Sheepscar Works, Leeds, 7. C 5222

HOSPITALS REPRESENTATIVES with experience of calling on hospital pharmacists required by ethical firm of manufacturing chemists. Reply fully (in confidence) to Box C 5221.

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MEDICAL REPRESENTATIVE for propaganda and sales to doctors, retail/manufacturing chemists, hospitals, required by manufacturers of ethical products for Yorkshire. Car an advantage, must reside in territory. Full particulars of age, experience, salary required (in confidence) to Box C 5220.

OLD-ESTABLISHED London pharmaceutical house proposing to develop a certain line in ethical medical products of exceptional value and appeal invite applications for position as head of department to direct propaganda and distribution. Send particulars, qualifications, experience, salary, etc., in confidence, to Box C 5232.

PRODUCTION CHEMIST required for West London manufacturing house. Previous experience in medium scale galenical work and assaying desirable. Please give full details and salary required. Box C 18.

QUALIFIED PHARMACIST (male), fully experienced all branches, technical and commercial, required by manufacturing chemists in Central Scotland. Administrative experience required. House available. Apply, stating age, qualifications and salary desired, to Box No. 909, Keith & Co., Advertising Agents, Edinburgh. C 5254

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REPRESENTATIVES. Parke, Davis & Co. have interesting posts offering permanency and advancement to young pharmacists who would like to become representatives, after suitable training, on territories in the London area and other parts of England. Posts as representatives (after suitable training) are also vacant in India. Write, in the first instance, for application forms, to the General Sales Manager, Parke, Davis & Co., Staines Rd., Hounslow, Middlesex. C 5247

SALES REPRESENTATIVES required by progressive firm of manufacturing chemists, marketing ethical and nationally advertised lines for the following territories:—(1) Greater London area; (2) Warwickshire, Worcestershire, Staffs. The posts are permanent and progressive and applicants must reside in the territory concerned. Salary and expenses. Application with full details, to Sales Manager, Box C 1343.

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SALES MANAGER (F.S.M.A.) whose 25 years' experience with firms of repute comprises the successful marketing of pharmaceutical and toilet lines and who is well known to the important buyers desires appointment with London firm. Box C 1338.

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Box C. 1319

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MANUFACTURERS of low-priced national advertised cosmetic, have a few vacancies fo scientious commission agents, who have lished connections with chemists, hairdresser departmental stores. High rate of com paid. Write, giving details of experience covered, etc., to Box 994, c/o George (Advertising), Ltd., 184 Strand, London, (Advertising), Ltd., 184 Strand, London, 1

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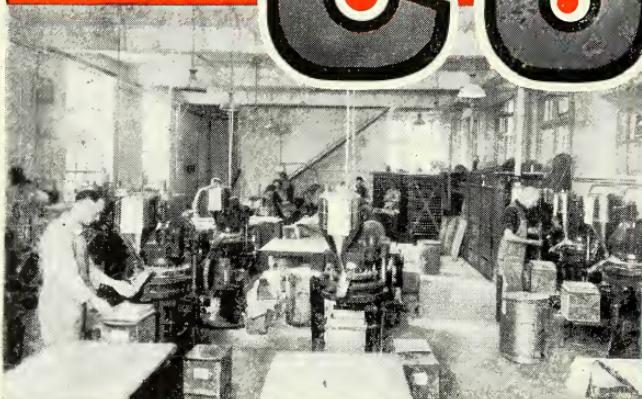
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